

# Converting Colors

XYZ(82.3380, 87.3158,  
105.4393)

Have a look what the booklet for  
XYZ(82.3380, 87.3158, 105.4393)  
contains.

<b>XYZ(82.4368, 87.5850, 105.4892)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.4368, 87.5850,  
105.4892)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7F2FD
RGB	231, 242, 253
RGB Percent	91%, 95%, 99%
CMY	0.0941, 0.0510, 0.0078
CMYK	0.09, 0.04, 0.00, 0.01
HSL	210°, 85%, 95%
HSV	210°, 9%, 99%
XYZ	82.4368, 87.5850, 105.4892
YIQ	239.9650, -10.0870, 1.0890

# Conversions

## Conversions Part 2

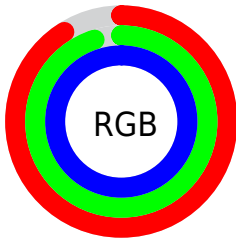
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 238, 253
Decimal	15201021
CIE <sub>Lab</sub>	94.99, -1.56, -6.55
CIE <sub>LCh</sub>	95, 6.728, 256.620
Yxy	87.5850, 0.2992, 0.3179
Android (android.graphics.Color)	4293391101 (0xFFE7F2FD)
YUV	239.9650, 6.4263, -7.8623
Hunter-Lab	93.5869, -6.5437, -1.3197

# Details

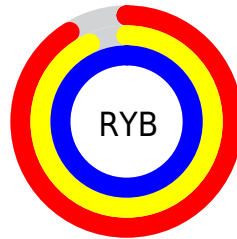
The XYZ color **82.4368, 87.5850, 105.4892** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6845, 90.1561, 88.4361**, and the grayscale version is **82.7562, 87.0659, 94.8148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2019, 48.2173, 59.1490** is the 20% darker color. If you saturate the color by 10%, you get **71.2196, 76.4087, 103.9245**, and if you desaturate by 10%, it is **94.6188, 99.6498, 107.1772**.

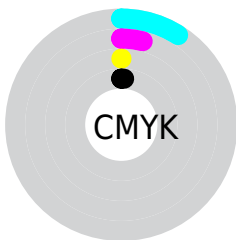
# Distribution



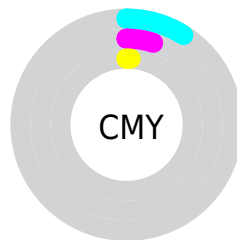
- Red (91%)
- Green (95%)
- Blue (99%)



- Red (91%)
- Yellow (93%)
- Blue (99%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (5%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4368, 87.5850, 105.4892 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 82.4368, 87.5850, 105.4892 by changing the saturation by 10% instead.



82.4368, 87.5850,  
105.4892

82.4368, 87.5850,  
105.4892

491.7200,  
520.1432, 599.0482

62.0410, 65.9794,  
80.2503

135.7190,  
143.9793, 170.7978

45.3215, 48.2557,  
59.3970

169.3361,  
179.5367, 211.7046

31.9131, 34.0294,  
42.5107

208.0910,  
220.5136, 258.6711

21.4504, 22.9162,  
29.1728

252.3491,  
267.2943, 312.1158

13.5679, 14.5316,  
18.9649

302.4756,  
320.2633, 372.4574

7.9005, 8.4914,  
11.4683

358.8361,

4.0826, 4.4109,

379.8048, 440.1142

6.2647

421.7957,  
446.3033, 515.5050

■ 1.7490, 1.9060,  
2.9353

■ 0.4866, 0.5520,  
1.0617

■ 82.4368, 87.5850,  
105.4892

■ 82.4368, 87.5850,  
105.4892

■ 71.2196, 76.4087,  
103.9245

94.6188, 99.6498,  
107.1772

■ 61.3849, 66.3213,  
102.4958

94.7299, 99.8720,  
107.2143

■ 52.8757, 57.2880,  
101.2007

■ 45.6280, 49.2673,  
100.0345

■ 39.5720, 42.2148,  
98.9925

■ 34.6306, 36.0818,  
98.0691

■ 30.7161, 30.8139,  
97.2586

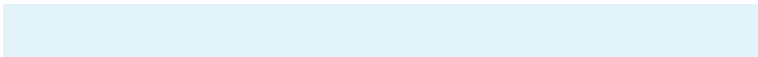
■ 27.7260, 26.3486,  
96.5543

■ 25.5150, 22.6010,  
95.9475

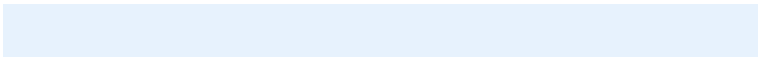
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8579, 87.5850, 102.8642



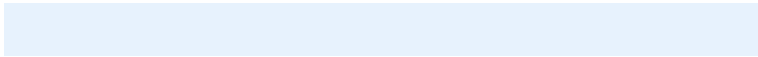
82.4368, 87.5850, 105.4892



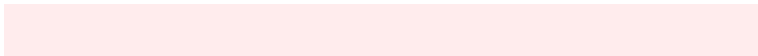
84.2555, 87.5850, 105.3319

# Triad

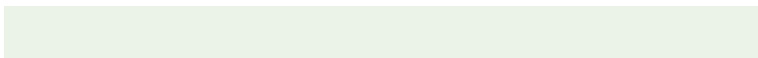
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4368, 87.5850, 105.4892



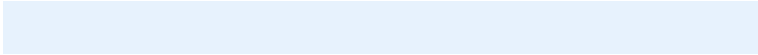
86.6579, 87.5850, 92.5171



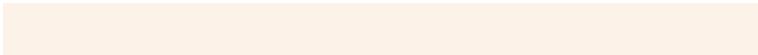
80.7202, 87.5850, 88.6221

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82.4368, 87.5850, 105.4892



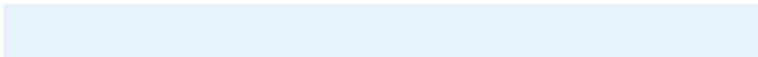
86.6845, 90.1561, 88.4361

# Split Complementary

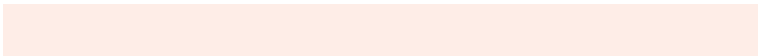
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2464, 87.5850, 86.0479



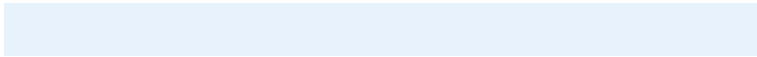
82.4368, 87.5850, 105.4892



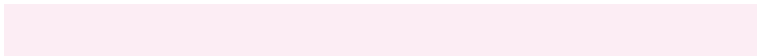
85.6826, 87.5850, 88.2397

# Square

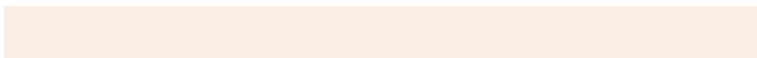
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



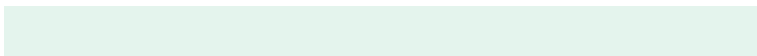
82.4368, 87.5850, 105.4892



86.7107, 87.5850, 97.7118



84.0623, 87.5850, 85.9106

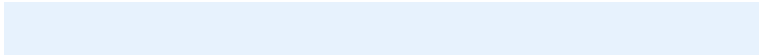


79.8766, 87.5850, 93.0564



# Rectangle

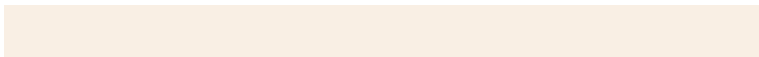
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4368, 87.5850, 105.4892



85.3595, 87.5850, 103.6682



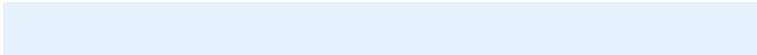
84.0623, 87.5850, 85.9106



81.1694, 87.5850, 87.5177

# Sweetspot

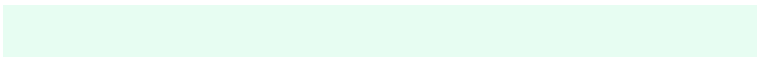
The Sweet Spot groups the original color and five complimentary colors.



82.4393, 87.5887, 105.4911



91.0836, 96.1623, 108.3683



84.0538, 93.6298, 97.3598



19.2736, 20.3670, 23.1653



0.0000, 0.0000, 0.0000

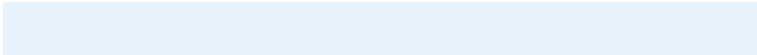


20.3446, 21.4041, 23.3091

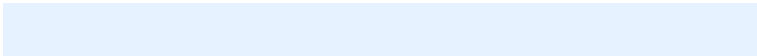


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4393, 87.5887, 105.4911



82.3506, 87.6159, 107.1790



79.3649, 81.4399, 104.4663



17.7536, 18.8789, 22.9582



13.5829, 12.0753, 51.0495

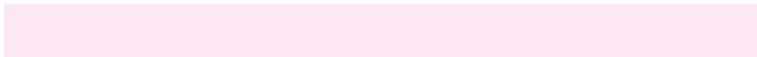


1.4317, 1.3941, 5.0069



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



85.1130, 84.4472, 95.8226



85.4630, 84.0018, 95.9140



89.9429, 96.6729, 89.5223



18.3883, 18.1386, 20.6619



23.6442, 11.9470, 12.0428

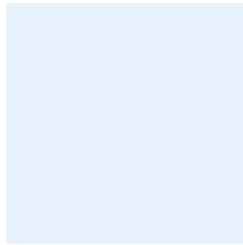


2.3573, 1.1853, 1.4628



# Previews

## White Background



This preview shows how the XYZ color 82.4368, 87.5850, 105.4892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

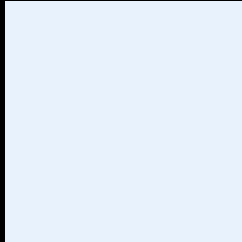
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.4368, 87.5850, 105.4892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

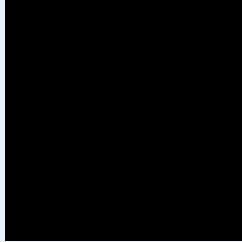
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

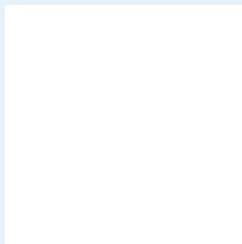
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.4368, 87.5850, 105.4892

## Background



This preview shows how black text looks on a background with the XYZ color 82.4368, 87.5850, 105.4892.



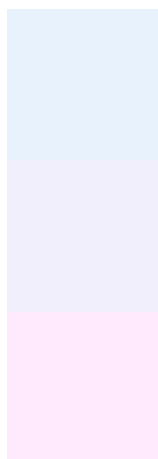
This preview shows how white text looks on a background with the XYZ color 82.4368, 87.5850,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

82.4368, 87.5850, 105.4892

### Protanopia

84.5547, 87.3988, 103.6799

### Deuteranopia

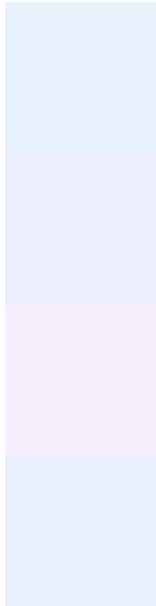
88.3924, 87.1975, 105.1005



## Tritanopia

83.4370, 87.6230, 107.1231

# Trichromacy



## Original Color

82.4368, 87.5850, 105.4892

## Protanomaly

83.6558, 87.3530, 104.5471

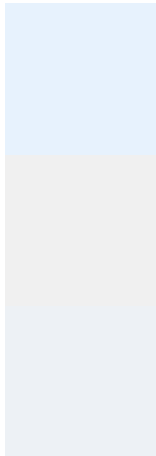
## Deuteranomaly

86.0198, 87.2531, 105.2363

## Tritanomaly

82.9490, 87.3900, 106.2620

# Monochromacy



## Original Color

82.4368, 87.5850, 105.4892

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.8618, 87.5077, 98.9096

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4368, 87.5850, 105.4892 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(231, 242, 253) looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4368, 87.5850, 105.4892 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 242, 253) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 242, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 242, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4368, 87.5850, 105.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
242, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor