

# Converting Colors

XYZ(88.0109, 92.6556,  
107.8534)

Have a look what the booklet for  
XYZ(88.0109, 92.6556, 107.8534)  
contains.

<b>XYZ(87.9287, 92.6188, 107.8506)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(87.9287, 92.6188,  
107.8506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F7FF
RGB	242, 247, 255
RGB Percent	95%, 97%, 100%
CMY	0.0510, 0.0313, 0.0000
CMYK	0.05, 0.03, 0.00, 0.00
HSL	217°, 100%, 97%
HSV	217°, 5%, 100%
XYZ	87.9287, 92.6188, 107.8506
YIQ	246.4170, -5.5480, 1.4280

# Conversions

## Conversions Part 2

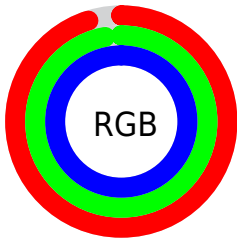
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 246, 255
Decimal	15923199
CIE <sub>Lab</sub>	97.07, -0.19, -4.41
CIE <sub>LCh</sub>	97, 4.417, 267.540
Yxy	92.6188, 0.3049, 0.3211
Android (android.graphics.Color)	4294113279 (0xFF2F7FF)
YUV	246.4170, 4.2314, -3.8737
Hunter-Lab	96.2387, -5.3307, 0.9233

# Details

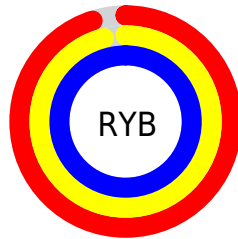
The XYZ color **87.9287, 92.6188, 107.8506** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4517, 96.0397, 97.7233**, and the grayscale version is **87.9071, 92.4851, 100.7163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0735, 51.7779, 60.8338** is the 20% darker color. If you saturate the color by 10%, you get **75.1837, 79.2281, 105.9377**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

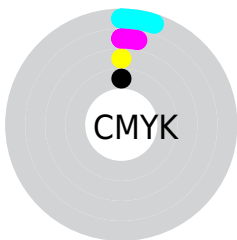
# Distribution



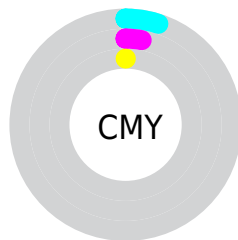
- Red (95%)
- Green (97%)
- Blue (100%)



- Red (95%)
- Yellow (96%)
- Blue (100%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9287, 92.6188, 107.8506 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 87.9287, 92.6188, 107.8506 by changing the saturation by 10% instead.



87.9287, 92.6188,  
107.8506

87.9287, 92.6188,  
107.8506

509.6086,  
536.5134, 606.5401

66.5946, 70.1547,  
82.2196

143.3509,  
150.9707, 174.0502

49.0247, 51.6527,  
61.0097

178.1698,  
187.6274, 215.4559

34.8537, 36.7283,  
43.8024

218.2143,  
229.7837, 262.9569

23.7162, 24.9972,  
30.1791

263.8497,  
277.8240, 316.9717

15.2468, 16.0750,  
19.7214

315.4415,  
332.1327, 377.9189

9.0802, 9.5772,  
12.0106

373.3551,

4.8511, 5.1196,

393.0942, 446.2170

6.6283

437.9556,  
461.0930, 522.2846

■ 2.1940, 2.3176,  
3.1558

■ 0.7396, 0.7830,  
1.1747

■ 87.9287, 92.6188,  
107.8506

■ 87.9287, 92.6188,  
107.8506

■ 75.1837, 79.2281,  
105.9377

95.0500, 100.0000,  
108.9000

■ 63.9999, 67.2238,  
104.2101

■ 54.3158, 56.5616,  
102.6625

■ 46.0628, 47.1902,  
101.2886

■ 39.1667, 39.0548,  
100.0818

■ 33.5460, 32.0959,  
99.0348

■ 29.1096, 26.2483,  
98.1399

■ 25.7526, 21.4386,  
97.3885

■ 23.3481, 17.5805,  
96.7705

# Harmonies

## Analogous

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



86.7531, 92.6188, 106.7411



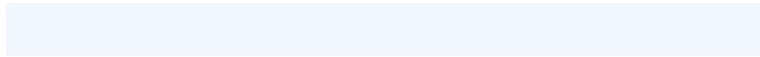
87.9287, 92.6188, 107.8506



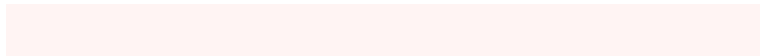
89.1427, 92.6188, 107.0469

# Triad

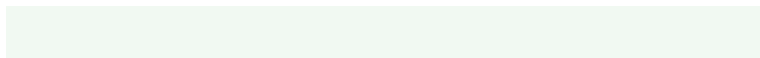
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9287, 92.6188, 107.8506



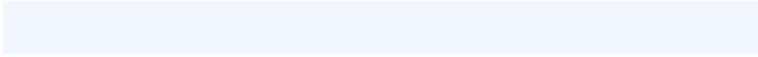
90.1707, 92.6188, 97.7099



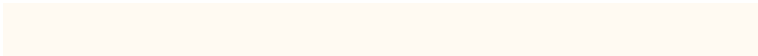
86.0273, 92.6188, 97.2117

# Complementary

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



87.9287, 92.6188, 107.8506



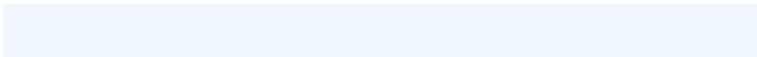
91.4517, 96.0397, 97.7233

# Split Complementary

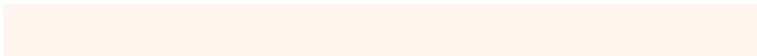
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9294, 92.6188, 94.8895



87.9287, 92.6188, 107.8506



89.3222, 92.6188, 95.1723

# Square

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



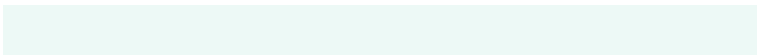
87.9287, 92.6188, 107.8506



90.4443, 92.6188, 101.1406



88.1342, 92.6188, 94.1517

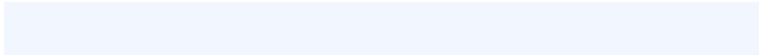


85.6618, 92.6188, 100.5522

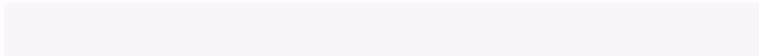


# Rectangle

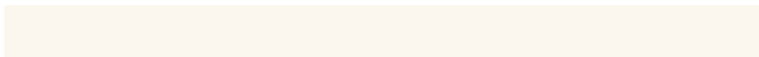
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



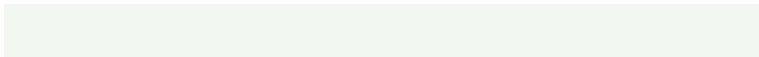
87.9287, 92.6188, 107.8506



89.8090, 92.6188, 105.5446



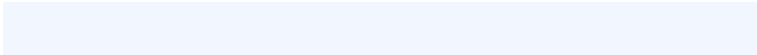
88.1342, 92.6188, 94.1517



86.2774, 92.6188, 96.2892

# Sweetspot

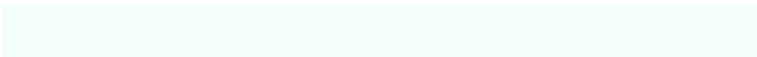
The Sweet Spot groups the original color and five complimentary colors.



87.9311, 92.6226, 107.8512



92.2060, 97.0605, 108.4825



89.6026, 97.2872, 104.3345



19.7657, 20.8058, 23.2241



0.0000, 0.0000, 0.0000

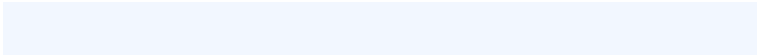


20.3446, 21.4041, 23.3091

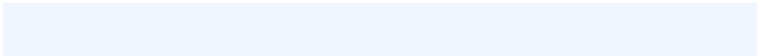


# Same Dimension

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



87.9311, 92.6226, 107.8512



86.7146, 91.3552, 107.6707



86.8690, 89.8337, 107.3689



18.3739, 19.3591, 23.0182



11.8554, 8.6204, 50.4736

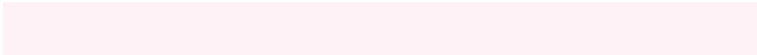


1.2562, 1.0432, 4.9484



# Inverse Universe

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



89.7821, 91.4811, 100.9260



88.8835, 90.0324, 99.5526



92.5507, 98.9452, 98.2262



18.8869, 19.0486, 21.0972



22.7723, 11.5982, 7.4512

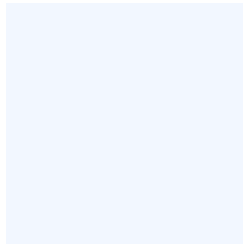


2.2687, 1.1499, 0.9964



# Previews

## White Background



This preview shows how the XYZ color 87.9287, 92.6188, 107.8506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

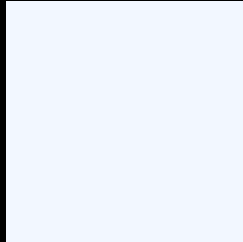
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9287, 92.6188, 107.8506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

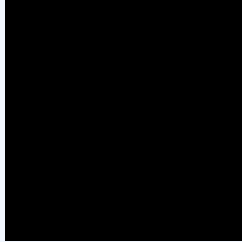
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

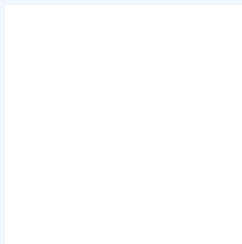
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.9287, 92.6188, 107.8506

## Background



This preview shows how black text looks on a background with the XYZ color 87.9287, 92.6188, 107.8506.



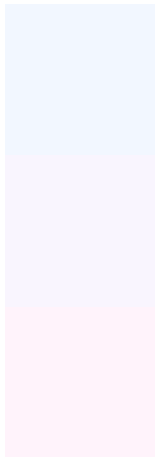
This preview shows how white text looks on a background with the XYZ color 87.9287, 92.6188,

107.8506.

# 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

87.9287, 92.6188, 107.8506

### Protanopia

89.6087, 92.6003, 106.9167

### Deuteranopia

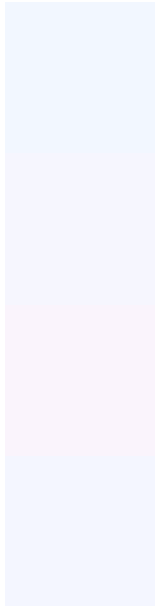
90.7032, 92.3262, 104.3070



## Tritanopia

88.6620, 92.5440, 107.7975

# Trichromacy



## Original Color

87.9287, 92.6188, 107.8506

## Protanomaly

88.8512, 92.6601, 106.9682

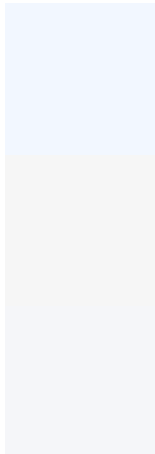
## Deuteranomaly

89.3457, 92.0536, 105.1546

## Tritanomaly

88.3140, 92.3646, 107.7813

# Monochromacy



## Original Color

87.9287, 92.6188, 107.8506

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.7108, 92.1636, 102.7890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9287, 92.6188, 107.8506 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(242, 247, 255) looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 255)  
}
```

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(242, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9287, 92.6188, 107.8506 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(242, 247, 255) }
```



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

```
.border{ border-color:rgb(242, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9287, 92.6188, 107.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 255) }
```

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

```
.background{ background-color: rgb(242,  
247, 255) }
```

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](#).

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