

# Converting Colors

XYZ(93.1362, 91.9017,  
153.0024)

Have a look what the booklet for  
XYZ(93.1362, 91.9017, 153.0024)  
contains.

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# Color

**XYZ(84.3942, 88.5571,  
107.2529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF2FF
RGB	236, 242, 255
RGB Percent	93%, 95%, 100%
CMY	0.0745, 0.0510, 0.0000
CMYK	0.07, 0.05, 0.00, 0.00
HSL	221°, 100%, 96%
HSV	221°, 7%, 100%
XYZ	84.3942, 88.5571, 107.2529
YIQ	241.6880, -7.7490, 2.7710

# Conversions

## Conversions Part 2

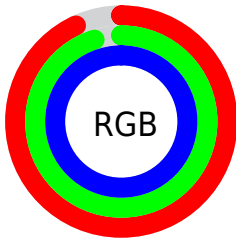
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 241, 255
Decimal	15528703
CIE <sub>Lab</sub>	95.40, 0.42, -6.94
CIE <sub>LCh</sub>	95, 6.949, 273.500
Yxy	88.5571, 0.3012, 0.3160
Android (android.graphics.Color)	4293718783 (0xFFECEF2FF)
YUV	241.6880, 6.5628, -4.9884
Hunter-Lab	94.1048, -4.6026, -1.7005

# Details

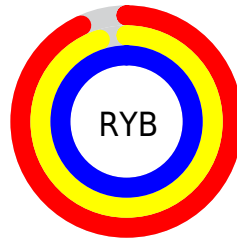
The XYZ color **84.3942, 88.5571, 107.2529** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2553, 95.0655, 92.9510**, and the grayscale version is **84.1077, 88.4879, 96.3633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5743, 48.8983, 60.4097** is the 20% darker color. If you saturate the color by 10%, you get **71.5789, 74.6102, 105.2363**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

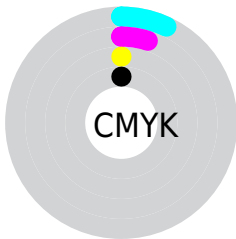
# Distribution



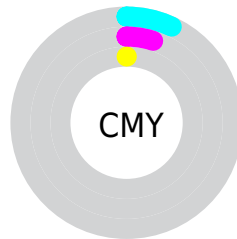
- Red (93%)
- Green (95%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3942, 88.5571, 107.2529 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 84.3942, 88.5571, 107.2529 by changing the saturation by 10% instead.



84.3942, 88.5571,  
107.2529

84.3942, 88.5571,  
107.2529

498.1353,  
523.3259, 604.6484

63.6618, 66.7845,  
81.7209

138.4449,  
145.3325, 173.2277

46.6374, 48.9095,  
60.6010

172.4938,  
181.1041, 214.5075

32.9559, 34.5477,  
43.4748

211.7123,  
222.3109, 261.8736

22.2517, 23.3147,  
29.9237

256.4657,  
269.3373, 315.7447

14.1596, 14.8261,  
19.5291

307.1193,  
322.5675, 376.5391

8.3142, 8.6974,  
11.8725

364.0385,

4.3501, 4.5443,

382.3861, 444.6755

6.5355

427.5888,  
449.1775, 520.5724

■ 1.9021, 1.9825,  
3.0993

■ 0.5780, 0.5973,  
1.1456

■ 84.3942, 88.5571,  
107.2529

■ 84.3942, 88.5571,  
107.2529

■ 71.5789, 74.6102,  
105.2363

95.0500, 100.0000,  
108.9000

■ 60.4004, 62.2191,  
103.4338

■ 50.7920, 51.3307,  
101.8385

■ 42.6797, 41.8841,  
100.4427

■ 35.9830, 33.8145,  
99.2381

■ 30.6135, 27.0512,  
98.2156

■ 26.4720, 21.5164,  
97.3656

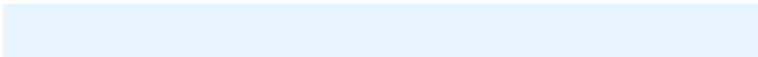
■ 23.4434, 17.1225,  
96.6771

■ 21.3821, 13.7634,  
96.1374

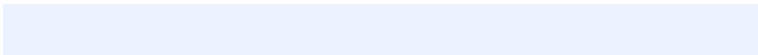
# Harmonies

## Analogous

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



82.5507, 88.5571, 106.0975



84.3942, 88.5571, 107.2529



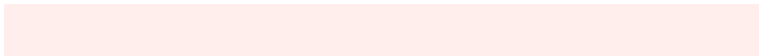
86.2042, 88.5571, 105.4178

# Triad

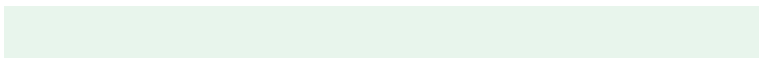
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3942, 88.5571, 107.2529



87.2554, 88.5571, 90.7611



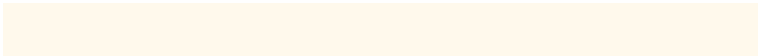
80.9423, 88.5571, 91.8283

# Complementary

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



84.3942, 88.5571, 107.2529



90.2553, 95.0655, 92.9510

# Split Complementary

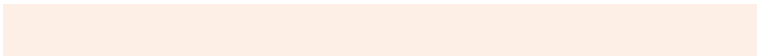
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1697, 88.5571, 87.9561



84.3942, 88.5571, 107.2529



85.8121, 88.5571, 87.3564

# Square

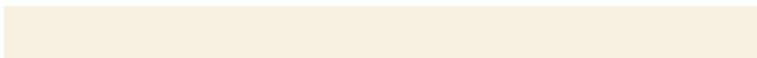
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3942, 88.5571, 107.2529



87.8718, 88.5571, 95.7860



83.9479, 88.5571, 86.3490



80.5754, 88.5571, 97.0641



# Rectangle

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



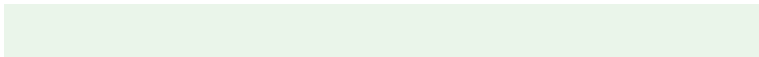
84.3942, 88.5571, 107.2529



87.1431, 88.5571, 102.7845



83.9479, 88.5571, 86.3490



81.2670, 88.5571, 90.3307

# Sweetspot

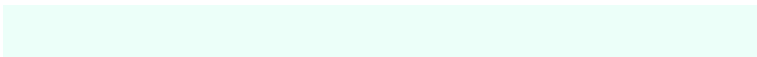
The Sweet Spot groups the original color and five complimentary colors.



84.3965, 88.5607, 107.2535



92.0957, 96.8400, 108.4458



87.4491, 96.1918, 103.5672



19.7433, 20.7609, 23.2166



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

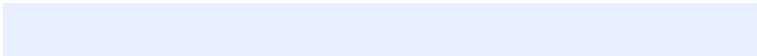


# Same Dimension

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



84.3965, 88.5607, 107.2535



82.3000, 86.2943, 106.9265



83.8066, 85.6474, 106.7223



17.4714, 18.3144, 22.8641



11.0703, 7.0501, 50.2119



1.1710, 0.8728, 4.9200



# Inverse Universe

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



87.2639, 87.6632, 96.3301



85.7354, 85.2513, 93.8321



90.8708, 98.1816, 93.5200



18.2458, 18.0816, 19.9117



22.3760, 11.4397, 5.3643

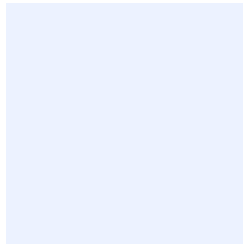


2.2257, 1.1327, 0.7699



# Previews

## White Background



This preview shows how the XYZ color 84.3942, 88.5571, 107.2529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

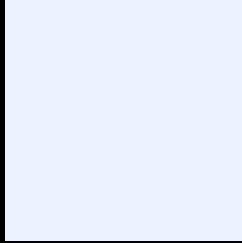
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3942, 88.5571, 107.2529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

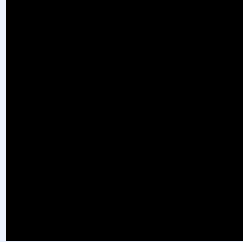
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.3942, 88.5571, 107.2529

## Background



This preview shows how black text looks on a background with the XYZ color 84.3942, 88.5571, 107.2529.



This preview shows how white text looks on a background with the XYZ color 84.3942, 88.5571,



# 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

84.3942, 88.5571, 107.2529

### Protanopia

85.6674, 88.3532, 106.3046

### Deuteranopia

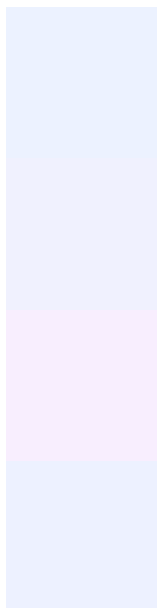
89.1248, 88.4067, 106.1327



## Tritanopia

84.7652, 88.3077, 107.1852

# Trichromacy



## Original Color

84.3942, 88.5571, 107.2529

## Protanomaly

85.2799, 88.5916, 106.3711

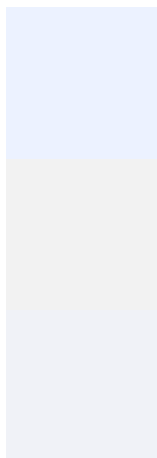
## Deuteranomaly

87.1753, 88.2613, 106.2074

## Tritanomaly

84.4303, 88.1351, 107.1696

# Monochromacy



## Original Color

84.3942, 88.5571, 107.2529

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.4758, 88.7449, 100.6728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3942, 88.5571, 107.2529 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(236, 242, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 242, 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(236, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3942, 88.5571, 107.2529 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(236, 242, 255) }
```



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

```
.border{ border-color:rgb(236, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3942, 88.5571, 107.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 242, 255) }
```

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

```
.background{ background-color: rgb(236,  
242, 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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