

Converting Colors

XYZ(84.6430, 90.0588,
105.8504)

Have a look what the booklet for
XYZ(84.6430, 90.0588, 105.8504)
contains.

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Color

**XYZ(84.6430, 90.0588,
105.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF5FD
RGB	235, 245, 253
RGB Percent	92%, 96%, 99%
CMY	0.0784, 0.0392, 0.0078
CMYK	0.07, 0.03, 0.00, 0.01
HSL	207°, 82%, 96%
HSV	207°, 7%, 99%
XYZ	84.6430, 90.0588, 105.8504
YIQ	242.9220, -8.5280, 0.3680

Conversions

Conversions Part 2

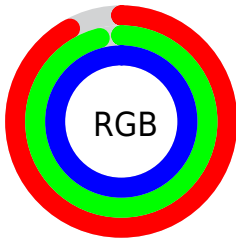
Format	Color
R _Y B	235, 241, 253
Decimal	15463933
CIE Lab	96.02, -1.80, -4.99
CIE LCh	96, 5.302, 250.121
Yxy	90.0588, 0.3017, 0.3210
Android (android.graphics.Color)	4293654013 (0xFFEBF5FD)
YUV	242.9220, 4.9685, -6.9476
Hunter-Lab	94.8993, -6.8653, 0.2976

Details

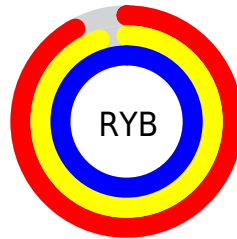
The XYZ color **84.6430, 90.0588, 105.8504** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5544, 90.9814, 91.5454**, and the grayscale version is **85.0982, 89.5299, 97.4981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7518, 49.9644, 59.4046** is the 20% darker color. If you saturate the color by 10%, you get **73.5797, 79.4624, 104.3896**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

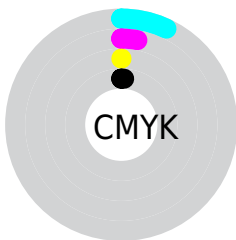
Distribution



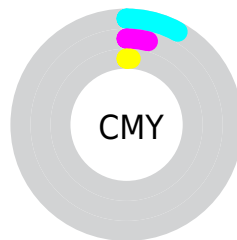
- Red (92%)
- Green (96%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6430, 90.0588, 105.8504 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 84.6430, 90.0588, 105.8504 by changing the saturation by 10% instead.

84.6430, 90.0588,
105.8504

84.6430, 90.0588,
105.8504

498.9475,
528.2221, 600.1973

63.8679, 68.0294,
80.5514

138.7909,
147.4201, 171.2957

46.8050, 49.9217,
59.6433

172.8944,
183.5207, 212.2791

33.0888, 35.3512,
42.7078

212.1715,
225.0806, 259.3277

22.3541, 23.9335,
29.3262

256.9875,
272.4841, 312.8600

14.2354, 15.2843,
19.0800

307.7077,
326.1156, 373.2946

8.3673, 9.0192,
11.5507

364.6976,

4.3847, 4.7537,

386.3595, 441.0499

6.3197

428.3224,
453.6002, 516.5447

■ 1.9220, 2.1035,
2.9685

■ 0.5896, 0.6666,
1.0786

■ 84.6430, 90.0588,
105.8504

■ 84.6430, 90.0588,
105.8504

■ 73.5797, 79.4624,
104.3896

94.7299, 99.8720,
107.2143

■ 63.8548, 69.8547,
103.0477

■ 55.4138, 61.2046,
101.8229

■ 48.1951, 53.4746,
100.7113

■ 42.1317, 46.6243,
99.7087

■ 37.1497, 40.6096,
98.8103

■ 33.1652, 35.3808,
98.0111

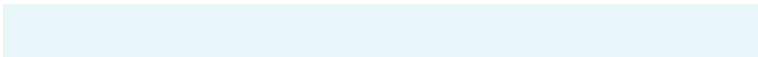
■ 30.0807, 30.8813,
97.3051

■ 27.7719, 27.0403,
96.6854

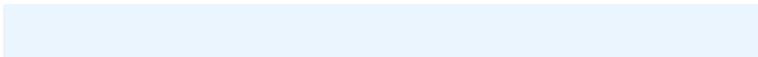
Harmonies

Analogous

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



83.4601, 90.0588, 103.3550



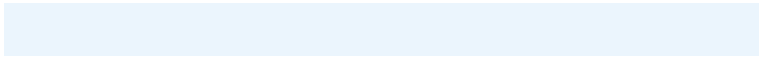
84.6430, 90.0588, 105.8504



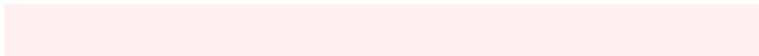
86.0946, 90.0588, 106.2249

Triad

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



84.6430, 90.0588, 105.8504



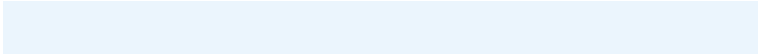
88.4040, 90.0588, 96.6465



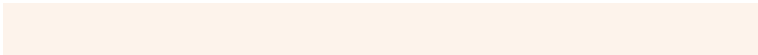
83.7940, 90.0588, 92.0125

Complementary

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



84.6430, 90.0588, 105.8504



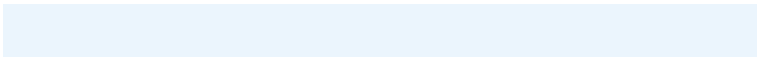
87.5544, 90.9814, 91.5454

Split Complementary

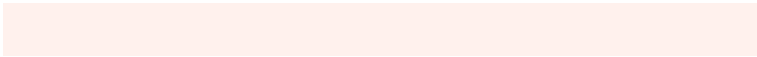
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1037, 90.0588, 90.3221



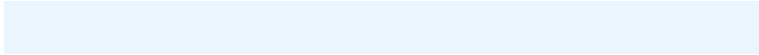
84.6430, 90.0588, 105.8504



87.7724, 90.0588, 92.9466

Square

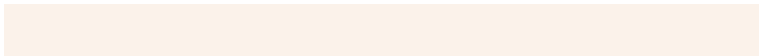
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



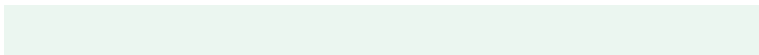
84.6430, 90.0588, 105.8504



88.2773, 90.0588, 100.8303



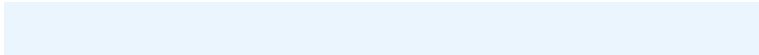
86.5605, 90.0588, 90.6591



82.9739, 90.0588, 95.3384

Rectangle

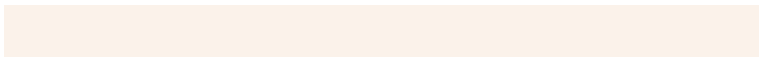
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6430, 90.0588, 105.8504



87.0210, 90.0588, 105.2106



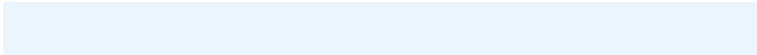
86.5605, 90.0588, 90.6591



84.1910, 90.0588, 91.2385

Sweetspot

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



84.6456, 90.0626, 105.8524



92.4800, 97.6085, 108.5738



85.5352, 94.3732, 98.3449



19.8215, 20.9174, 23.2427



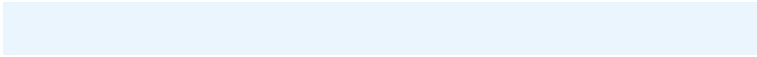
0.0000, 0.0000, 0.0000



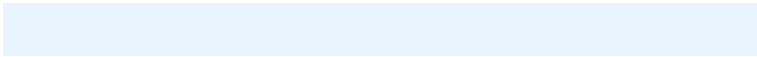
20.3446, 21.4041, 23.3091

Same Dimension

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



84.6456, 90.0626, 105.8524



83.9383, 89.5708, 107.4726



82.0452, 84.8618, 104.9856



17.8402, 19.0521, 22.9871



14.6153, 14.1402, 51.3936



1.5321, 1.5948, 5.0404

Inverse Universe

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



86.6998, 86.8938, 98.5932



86.5623, 85.5820, 98.1865



90.2525, 96.3775, 92.4448



18.4320, 18.1561, 20.8921



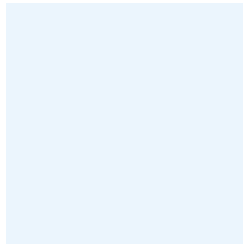
24.1653, 12.1554, 14.7870



2.4079, 1.2055, 1.7295

Previews

White Background



This preview shows how the XYZ color 84.6430, 90.0588, 105.8504 looks on a white background.

Color Contrast Check

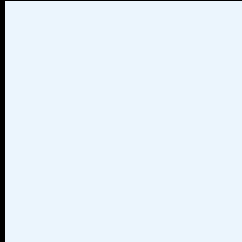
Large Text (above 18pt) WCAG AA × Fail

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 84.6430, 90.0588, 105.8504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

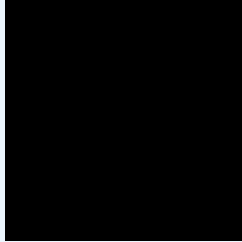
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

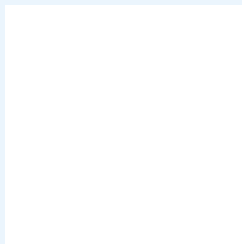
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.6430, 90.0588, 105.8504

Background



This preview shows how black text looks on a background with the XYZ color 84.6430, 90.0588, 105.8504.



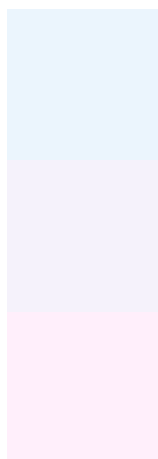
This preview shows how white text looks on a background with the XYZ color 84.6430, 90.0588,

105.8504.

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

84.6430, 90.0588, 105.8504

Protanopia

86.8209, 89.8818, 104.0398

Deuteranopia

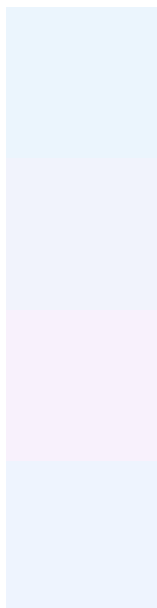
89.5191, 89.9580, 103.9123



Tritanopia

85.6972, 89.6719, 107.3994

Trichromacy



Original Color

84.6430, 90.0588, 105.8504

Protanomaly

85.8969, 89.8302, 104.9072

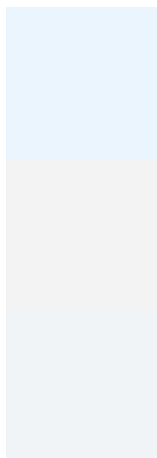
Deuteranomaly

87.7374, 89.8953, 104.8227

Tritanomaly

85.5000, 90.0343, 106.6380

Monochromacy



Original Color

84.6430, 90.0588, 105.8504

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.0744, 89.9420, 100.8723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6430, 90.0588, 105.8504 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(235, 245, 253) looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 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(235, 245, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 253) }
```

Border

The CSS property to change the border of an element to XYZ 84.6430, 90.0588, 105.8504 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(235, 245, 253) }
```


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

```
.border{ border-color:rgb(235, 245, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 245, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 245, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 245, 253); box-shadow:4px 4px 4px 4px rgb(235, 245, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6430, 90.0588, 105.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 253) }
```

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

```
.background{ background-color: rgb(235,  
245, 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](#).

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