

Converting Colors

XYZ(84.7240, 90.7632,
105.9356)

Have a look what the booklet for
XYZ(84.7240, 90.7632, 105.9356)
contains.

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Color

**XYZ(84.6171, 90.4958,
105.9361)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF6FD
RGB	234, 246, 253
RGB Percent	92%, 96%, 99%
CMY	0.0823, 0.0353, 0.0078
CMYK	0.08, 0.03, 0.00, 0.01
HSL	202°, 83%, 95%
HSV	202°, 8%, 99%
XYZ	84.6171, 90.4958, 105.9361
YIQ	243.2100, -9.3990, -0.3670

Conversions

Conversions Part 2

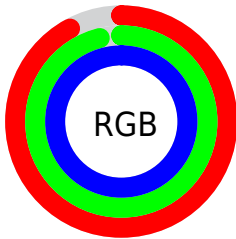
Format	Color
R_{YB}	234, 241, 253
Decimal	15398653
CIE _{Lab}	96.20, -2.63, -4.73
CIE _{LCh}	96, 5.410, 240.897
Yxy	90.4958, 0.3011, 0.3220
Android (android.graphics.Color)	4293588733 (0xFFEAF6FD)
YUV	243.2100, 4.8265, -8.0772
Hunter-Lab	95.1293, -7.7012, 0.5651

Details

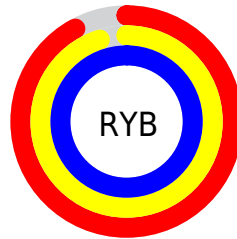
The XYZ color **84.6171, 90.4958, 105.9361** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8150, 89.7332, 90.5881**, and the grayscale version is **85.3289, 89.7727, 97.7625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7374, 50.2774, 59.4657** is the 20% darker color. If you saturate the color by 10%, you get **74.1344, 80.9924, 104.6557**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

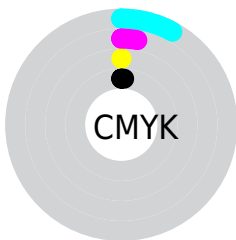
Distribution



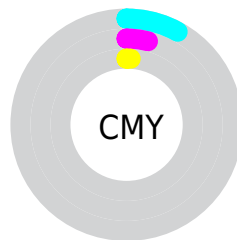
- Red (92%)
- Green (96%)
- Blue (99%)



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



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6171, 90.4958, 105.9361 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 84.6171, 90.4958, 105.9361 by changing the saturation by 10% instead.

84.6171, 90.4958,
105.9361

84.6171, 90.4958,
105.9361

498.8630,
529.6424, 600.4698

63.8465, 68.3919,
80.6228

138.7549,
148.0269, 171.4139

46.7876, 50.2167,
59.7018

172.8527,
184.2229, 212.4154

33.0750, 35.5856,
42.7546

212.1237,
225.8851, 259.4834

22.3434, 24.1143,
29.3626

256.9332,
273.3978, 313.0365

14.2275, 15.4184,
19.1074

307.6465,
327.1455, 373.4931

8.3618, 9.1136,
11.5703

364.6290,

4.3811, 4.8153,

387.5126, 441.2718

6.3328

428.2460,
454.8834, 516.7912

■ 1.9199, 2.1393,
2.9765

■ 0.5884, 0.6866,
1.0826

■ 84.6171, 90.4958,
105.9361

■ 84.6171, 90.4958,
105.9361

■ 74.1344, 80.9924,
104.6557

94.7299, 99.8720,
107.2143

■ 64.9253, 72.3511,
103.4731

■ 56.9366, 64.5437,
102.3872

■ 50.1083, 57.5361,
101.3945

■ 44.3750, 51.2914,
100.4913

■ 39.6640, 45.7686,
99.6736

■ 35.8932, 40.9221,
98.9368

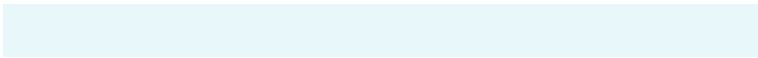
■ 32.9662, 36.6986,
98.2759

■ 30.7572, 33.0295,
97.6841

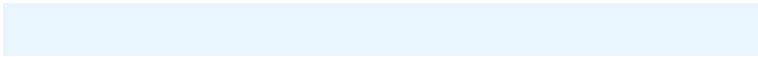
Harmonies

Analogous

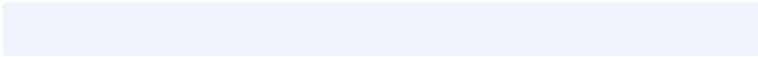
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5602, 90.4958, 102.8410



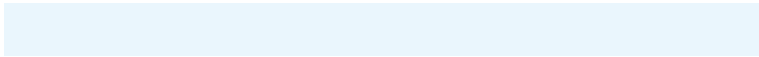
84.6171, 90.4958, 105.9361



86.0587, 90.4958, 107.0343

Triad

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



84.6171, 90.4958, 105.9361



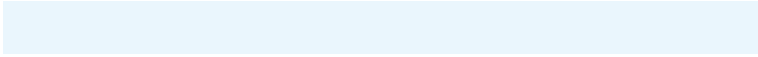
88.9323, 90.4958, 98.4052



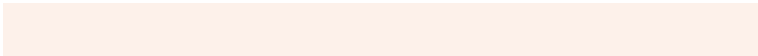
84.5397, 90.4958, 91.6092

Complementary

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



84.6171, 90.4958, 105.9361



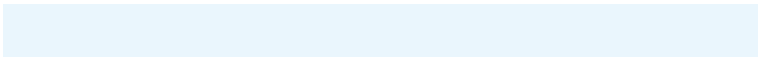
86.8150, 89.7332, 90.5881

Split Complementary

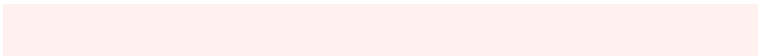
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9684, 90.4958, 90.4972



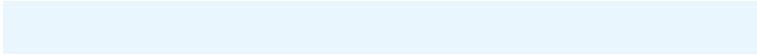
84.6171, 90.4958, 105.9361



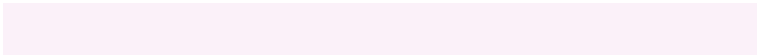
88.5145, 90.4958, 94.3500

Square

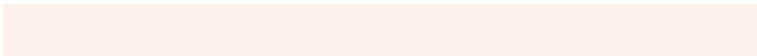
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



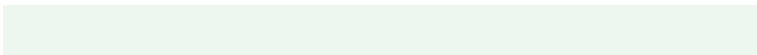
84.6171, 90.4958, 105.9361



88.5605, 90.4958, 102.6106



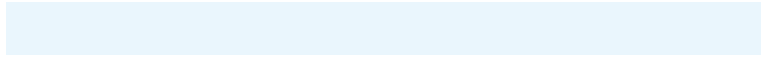
87.4253, 90.4958, 91.4860



83.5158, 90.4958, 94.5678

Rectangle

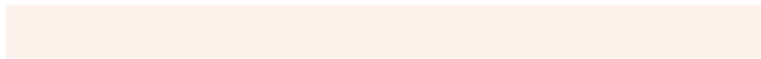
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6171, 90.4958, 105.9361



87.0473, 90.4958, 106.4617



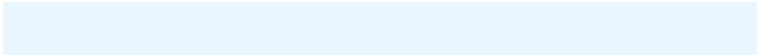
87.4253, 90.4958, 91.4860



84.9880, 90.4958, 91.0110

Sweetspot

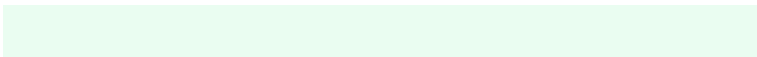
The Sweet Spot groups the original color and five complimentary colors.



84.6197, 90.4996, 105.9381



92.6023, 97.8532, 108.6146



84.9307, 94.0934, 96.8800



19.8464, 20.9672, 23.2510



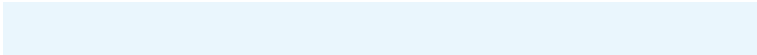
0.0000, 0.0000, 0.0000



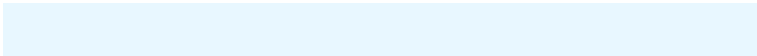
20.3446, 21.4041, 23.3091

Same Dimension

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



84.6197, 90.4996, 105.9381



84.4680, 90.6303, 107.6492



81.8121, 84.8844, 105.0022



17.9596, 19.2909, 23.0269



16.2478, 17.4052, 51.9378



1.6864, 1.9035, 5.0918

Inverse Universe

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



86.5674, 86.3840, 99.3044



86.8297, 85.6890, 99.5946



89.6915, 95.4862, 91.5470



18.4923, 18.1802, 21.2095



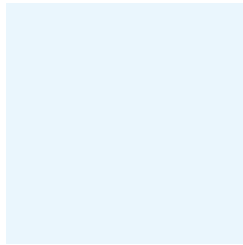
24.9893, 12.4850, 19.1262



2.4858, 1.2367, 2.1398

Previews

White Background



This preview shows how the XYZ color 84.6171, 90.4958, 105.9361 looks on a white background.

Color Contrast Check

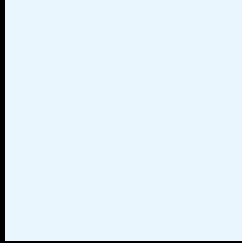
Large Text (above 18pt) WCAG AA × Fail

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 84.6171, 90.4958, 105.9361 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

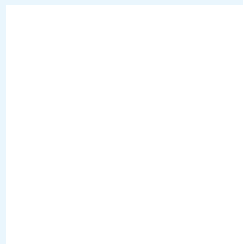
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.6171, 90.4958, 105.9361

Background



This preview shows how black text looks on a background with the XYZ color 84.6171, 90.4958, 105.9361.

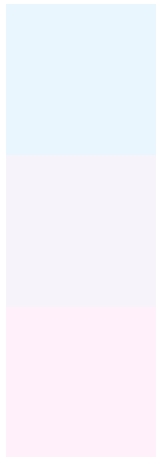


This preview shows how white text looks on a background with the XYZ color 84.6171, 90.4958,

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

84.6171, 90.4958, 105.9361

Protanopia

87.4692, 90.6590, 104.1556

Deuteranopia

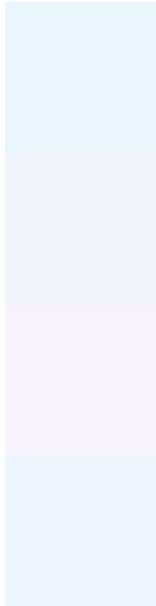
89.6554, 90.4823, 103.1820



Tritanopia

85.9973, 90.2721, 107.4995

Trichromacy



Original Color

84.6171, 90.4958, 105.9361

Protanomaly

86.5393, 90.6069, 105.0232

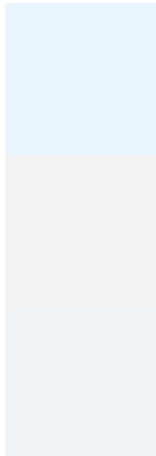
Deuteranomaly

87.5225, 90.2435, 104.0726

Tritanomaly

85.4669, 90.4651, 106.7229

Monochromacy



Original Color

84.6171, 90.4958, 105.9361

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 84.6171, 90.4958, 105.9361 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(234, 246, 253) looks like.

```
.text, #text, p{  
    color:rgb(234, 246, 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(234, 246, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 246, 253) }
```

Border

The CSS property to change the border of an element to XYZ 84.6171, 90.4958, 105.9361 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(234, 246, 253) }
```


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

```
.border{ border-color:rgb(234, 246, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 246, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 246, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 246, 253);  
box-shadow:4px 4px 4px 4px rgb(234, 246,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6171, 90.4958, 105.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 246, 253) }
```

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

```
.background{ background-color: rgb(234,  
246, 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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