

Converting Colors

XYZ(84.7718, 89.9988,
107.5113)

Have a look what the booklet for
XYZ(84.7718, 89.9988, 107.5113)
contains.

XYZ(84.9634, 90.1870, 107.5375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.9634, 90.1870,
107.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF5FF
RGB	235, 245, 255
RGB Percent	92%, 96%, 100%
CMY	0.0784, 0.0392, 0.0000
CMYK	0.08, 0.04, 0.00, 0.00
HSL	210°, 100%, 96%
HSV	210°, 8%, 100%
XYZ	84.9634, 90.1870, 107.5375
YIQ	243.1500, -9.1700, 0.9900

Conversions

Conversions Part 2

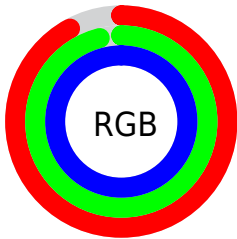
Format	Color
R _Y B	235, 242, 255
Decimal	15463935
CIE Lab	96.07, -1.43, -5.94
CIE LCh	96, 6.110, 256.507
Yxy	90.1870, 0.3006, 0.3190
Android (android.graphics.Color)	4293654015 (0xFFEBF5FF)
YUV	243.1500, 5.8421, -7.1475
Hunter-Lab	94.9668, -6.4945, -0.6614

Details

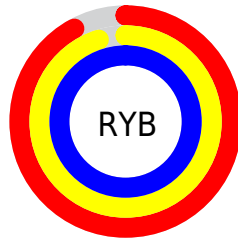
The XYZ color **84.9634, 90.1870, 107.5375** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.8871, 92.5611, 91.7801**, and the grayscale version is **85.2731, 89.7139, 97.6985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9810, 50.0561, 60.6117** is the 20% darker color. If you saturate the color by 10%, you get **73.4170, 78.7091, 105.9306**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

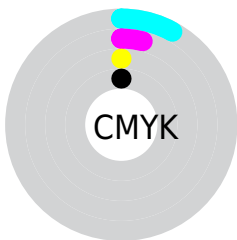
Distribution



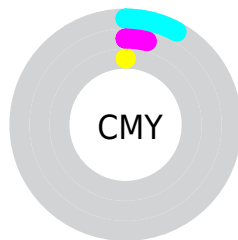
- Red (92%)
- Green (96%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9634, 90.1870, 107.5375 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 84.9634, 90.1870, 107.5375 by changing the saturation by 10% instead.

84.9634, 90.1870,
107.5375

84.9634, 90.1870,
107.5375

499.9924,
528.6390, 605.5495

64.1335, 68.1358,
81.9583

139.2363,
147.5981, 173.6194

47.0209, 50.0082,
60.7956

173.4101,
183.7268, 214.9592

33.2602, 35.4199,
43.6307

212.7626,
225.3167, 262.3896

22.4860, 23.9865,
30.0452

257.6590,
272.7523, 316.3291

14.3331, 15.3236,
19.6206

308.4649,
326.4179, 377.1963

8.4359, 9.0468,
11.9382

365.5455,

4.4293, 4.7717,

386.6979, 445.4098

6.5796

429.2663,
453.9768, 521.3880

■ 1.9477, 2.1140,
3.1262

■ 0.6044, 0.6725,
1.1594

■ 84.9634, 90.1870,
107.5375

■ 84.9634, 90.1870,
107.5375

■ 73.4170, 78.7091,
105.9306

95.0500, 100.0000,
108.9000

■ 63.2843, 68.3438,
104.4640

■ 54.5073, 59.0556,
103.1338

■ 47.0213, 50.8028,
101.9354

■ 40.7556, 43.5403,
100.8638

■ 35.6323, 37.2188,
99.9137

■ 31.5632, 31.7835,
99.0790

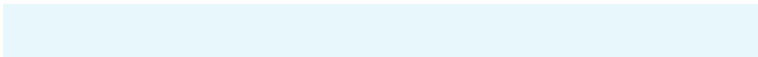
■ 28.4452, 27.1715,
98.3531

■ 26.1423, 23.3024,
97.7277

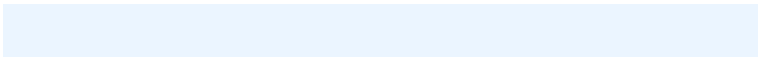
Harmonies

Analogous

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



83.5009, 90.1870, 105.1121



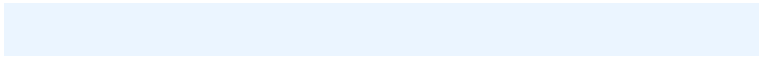
84.9634, 90.1870, 107.5375



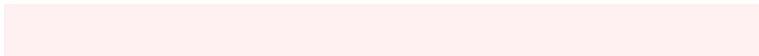
86.6475, 90.1870, 107.4028

Triad

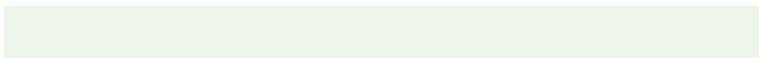
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9634, 90.1870, 107.5375



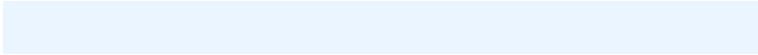
88.8765, 90.1870, 95.5753



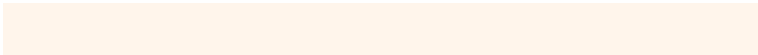
83.3821, 90.1870, 91.9257

Complementary

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



84.9634, 90.1870, 107.5375



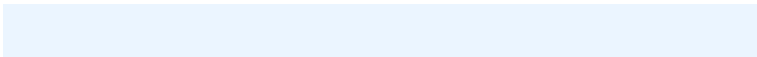
88.8871, 92.5611, 91.7801

Split Complementary

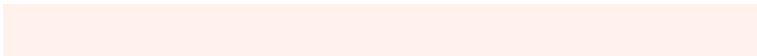
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7992, 90.1870, 89.5353



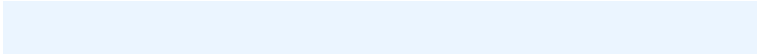
84.9634, 90.1870, 107.5375



87.9782, 90.1870, 91.5945

Square

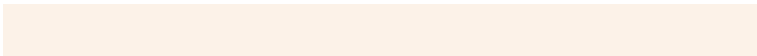
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



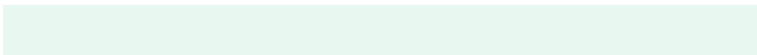
84.9634, 90.1870, 107.5375



88.9218, 90.1870, 100.3877



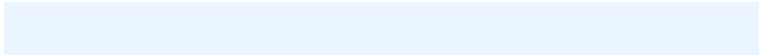
86.4812, 90.1870, 89.4161



82.5960, 90.1870, 96.0409

Rectangle

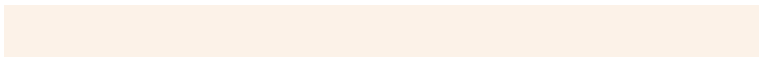
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9634, 90.1870, 107.5375



87.6696, 90.1870, 105.8774



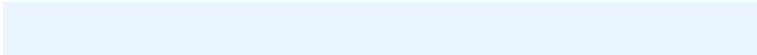
86.4812, 90.1870, 89.4161



83.7996, 90.1870, 90.8998

Sweetspot

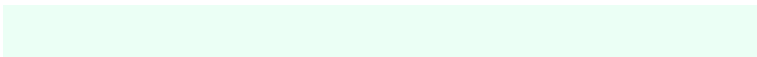
The Sweet Spot groups the original color and five complimentary colors.



84.9658, 90.1907, 107.5381



92.3908, 97.4300, 108.5441



86.4524, 95.7548, 100.0465



19.8033, 20.8811, 23.2366



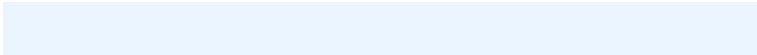
0.0000, 0.0000, 0.0000



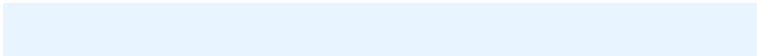
20.3446, 21.4041, 23.3091

Same Dimension

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



84.9658, 90.1907, 107.5381



83.5544, 88.8031, 107.3447



82.1161, 84.4915, 106.5882



17.7538, 18.8791, 22.9583



13.5841, 12.0778, 51.0499



1.4318, 1.3944, 5.0069

Inverse Universe

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



87.4312, 87.2708, 98.6275



86.3685, 85.5045, 97.1662



91.8895, 98.5658, 92.7809



18.3884, 18.1387, 20.6622



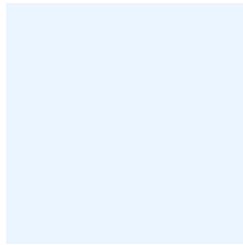
23.6448, 11.9472, 12.0460



2.3573, 1.1853, 1.4632

Previews

White Background



This preview shows how the XYZ color 84.9634, 90.1870, 107.5375 looks on a white background.

Color Contrast Check

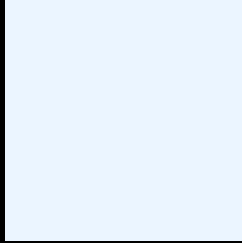
Large Text (above 18pt) WCAG AA × Fail

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 84.9634, 90.1870, 107.5375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

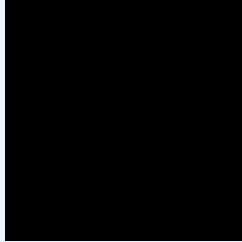
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

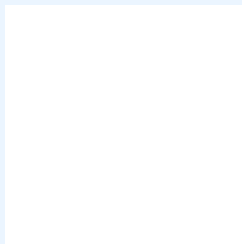
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9634, 90.1870, 107.5375

Background



This preview shows how black text looks on a background with the XYZ color 84.9634, 90.1870, 107.5375.



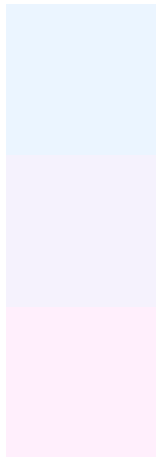
This preview shows how white text looks on a background with the XYZ color 84.9634, 90.1870,

107.5375.

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

84.9634, 90.1870, 107.5375

Protanopia

87.1379, 90.0086, 105.7092

Deuteranopia

89.6772, 90.0213, 104.7448



Tritanopia

85.9973, 90.2721, 107.4995

Trichromacy



Original Color

84.9634, 90.1870, 107.5375

Protanomaly

86.2156, 89.9577, 106.5855

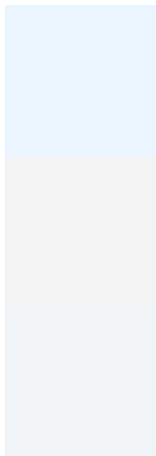
Deuteranomaly

87.8963, 89.9589, 105.6597

Tritanomaly

85.6606, 90.0985, 107.4837

Monochromacy



Original Color

84.9634, 90.1870, 107.5375

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 84.9634, 90.1870, 107.5375 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, 255) looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 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(235, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.9634, 90.1870, 107.5375 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, 255) }
```


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

```
.border{ border-color:rgb(235, 245, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9634, 90.1870, 107.5375 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, 255) }
```

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

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

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