

Converting Colors

XYZ(107.3483, 100.0000,
216.7399)

Have a look what the booklet for
XYZ(107.3483, 100.0000, 216.7399)
contains.

XYZ(86.6024, 91.4823, 107.7011)	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(86.6024, 91.4823,
107.7011)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF6FF
RGB	239, 246, 255
RGB Percent	94%, 96%, 100%
CMY	0.0627, 0.0353, 0.0000
CMYK	0.06, 0.04, 0.00, 0.00
HSL	214°, 100%, 97%
HSV	214°, 6%, 100%
XYZ	86.6024, 91.4823, 107.7011
YIQ	244.9330, -7.0610, 1.3150

Conversions

Conversions Part 2

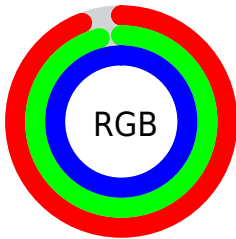
Format	Color
R_{YB}	239, 244, 255
Decimal	15726335
CIE _{Lab}	96.61, -0.65, -5.12
CIE _{LCh}	97, 5.163, 262.768
Yxy	91.4823, 0.3030, 0.3201
Android (android.graphics.Color)	4293916415 (0xFFEFF6FF)
YUV	244.9330, 4.9630, -5.2032
Hunter-Lab	95.6464, -5.7595, 0.1899

Details

The XYZ color **86.6024, 91.4823, 107.7011** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.3866, 94.6247, 95.1634**, and the grayscale version is **86.7048, 91.2202, 99.3388**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1349, 50.9714, 60.7276** is the 20% darker color. If you saturate the color by 10%, you get **74.4000, 78.9685, 105.9289**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

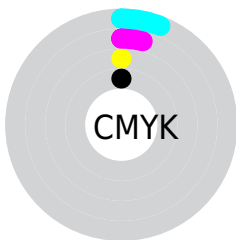
Distribution



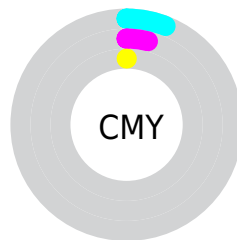
- Red (94%)
- Green (96%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6024, 91.4823, 107.7011 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 86.6024, 91.4823, 107.7011 by changing the saturation by 10% instead.

86.6024, 91.4823,
107.7011

86.6024, 91.4823,
107.7011

505.3196,
532.8410, 606.0672

65.4932, 69.2107,
82.0948

141.5123,
149.3957, 173.8445

48.1273, 50.8833,
60.9074

176.0437,
185.8062, 215.2188

34.1393, 36.1158,
43.7204

215.7799,
227.6986, 262.6860

23.1641, 24.5236,
30.1152

261.0862,
275.4571, 316.6649

14.8361, 15.7225,
19.6732

312.3279,
329.4663, 377.5739

8.7900, 9.3280,
11.9760

369.8705,

4.6605, 4.9557,

390.1103, 445.8316

6.6050

434.0793,
457.7738, 521.8565

■ 2.0821, 2.2213,
3.1417

■ 0.6795, 0.7316,
1.1674

■ 86.6024, 91.4823,
107.7011

■ 86.6024, 91.4823,
107.7011

■ 74.4000, 78.9685,
105.9289

95.0500, 100.0000,
108.9000

■ 63.6882, 67.7090,
104.3202

■ 54.4075, 57.6642,
102.8705

■ 46.4913, 48.7875,
101.5743

■ 39.8675, 41.0293,
100.4260

■ 34.4564, 34.3356,
99.4191

■ 30.1690, 28.6465,
98.5470

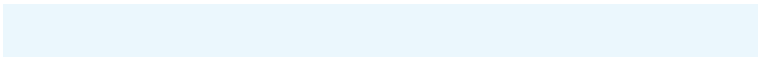
■ 26.9017, 23.8944,
97.8019

■ 24.5276, 19.9986,
97.1751

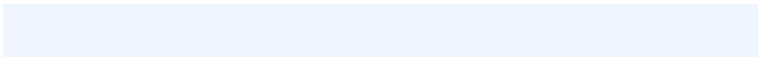
Harmonies

Analogous

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



85.2833, 91.4823, 106.0700



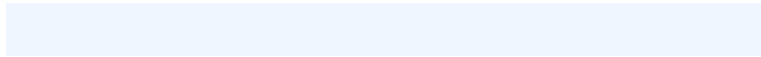
86.6024, 91.4823, 107.7011



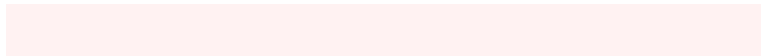
88.0293, 91.4823, 107.1165

Triad

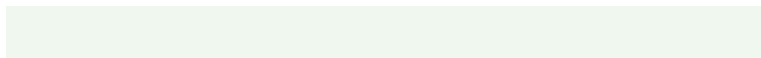
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6024, 91.4823, 107.7011



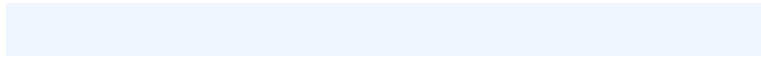
89.5346, 91.4823, 96.5651



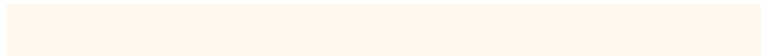
84.7608, 91.4823, 94.8781

Complementary

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



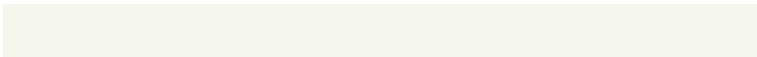
86.6024, 91.4823, 107.7011



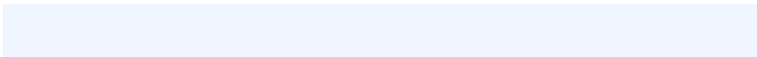
90.3866, 94.6247, 95.1634

Split Complementary

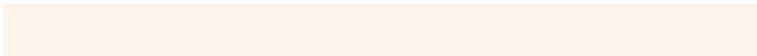
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8819, 91.4823, 92.4601



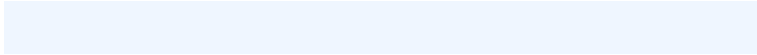
86.6024, 91.4823, 107.7011



88.6407, 91.4823, 93.4152

Square

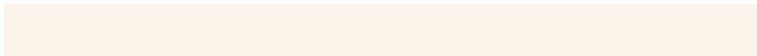
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



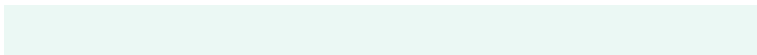
86.6024, 91.4823, 107.7011



89.7327, 91.4823, 100.6122



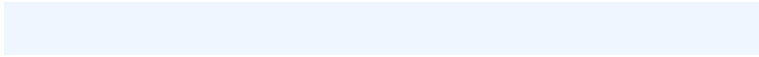
87.3009, 91.4823, 91.9321



84.2277, 91.4823, 98.6118

Rectangle

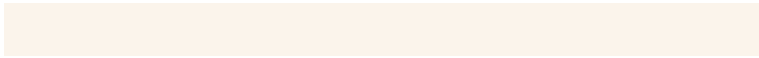
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6024, 91.4823, 107.7011



88.8488, 91.4823, 105.5564



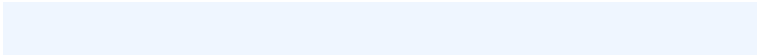
87.3009, 91.4823, 91.9321



85.0808, 91.4823, 93.8887

Sweetspot

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



86.6048, 91.4861, 107.7018



92.2906, 97.2297, 108.5107



88.2697, 96.6360, 102.6454



19.7829, 20.8403, 23.2299



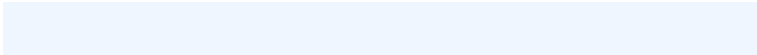
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.6048, 91.4861, 107.7018



84.3887, 89.2335, 107.3838



84.7851, 87.4448, 107.0176



17.6573, 18.6862, 22.9261



12.5806, 10.0709, 50.7154



1.3314, 1.1935, 4.9735

Inverse Universe

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



88.7425, 89.6484, 99.8200



87.0919, 86.9511, 97.4079



92.2866, 98.8607, 95.8809



18.3397, 18.1192, 20.4058



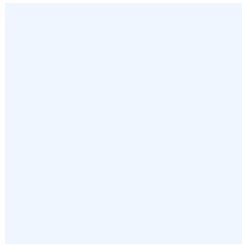
23.1383, 11.7446, 9.3788



2.3066, 1.1650, 1.1962

Previews

White Background



This preview shows how the XYZ color 86.6024, 91.4823, 107.7011 looks on a white background.

Color Contrast Check

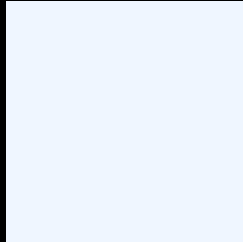
Large Text (above 18pt) WCAG AA × Fail

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 86.6024, 91.4823, 107.7011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

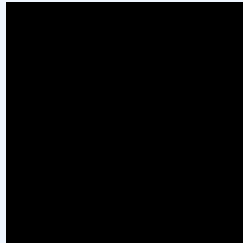
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

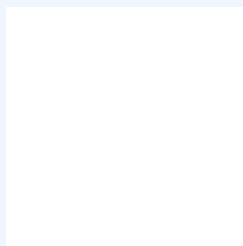
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.6024, 91.4823, 107.7011

Background



This preview shows how black text looks on a background with the XYZ color 86.6024, 91.4823, 107.7011.



This preview shows how white text looks on a background with the XYZ color 86.6024, 91.4823,

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

86.6024, 91.4823, 107.7011

Protanopia

88.5978, 91.6313, 106.7829

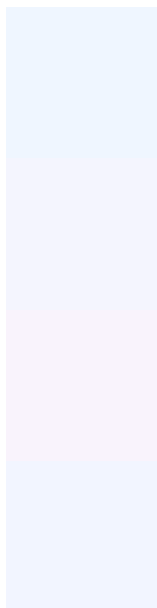
Deuteranopia

90.1079, 91.1356, 104.1085

Tritanopia

87.6646, 91.5795, 107.6639

Trichromacy



Original Color

86.6024, 91.4823, 107.7011

Protanomaly

87.8500, 91.6937, 106.8344

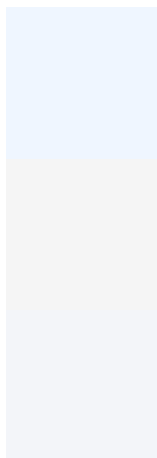
Deuteranomaly

88.6882, 91.2692, 105.0378

Tritanomaly

87.3204, 91.4021, 107.6478

Monochromacy



Original Color

86.6024, 91.4823, 107.7011

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.7134, 91.1991, 102.6554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.6024, 91.4823, 107.7011 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(239, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(239, 246, 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(239, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.6024, 91.4823, 107.7011 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(239, 246, 255) }
```


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

```
.border{ border-color:rgb(239, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.6024, 91.4823, 107.7011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 246, 255) }
```

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

```
.background{ background-color: rgb(239,  
246, 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