

Converting Colors

XYZ(102.9573, 100.0000,
198.1348)

Have a look what the booklet for
XYZ(102.9573, 100.0000, 198.1348)
contains.

XYZ(86.1515, 93.5380, 108.1217)	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(86.1515, 93.5380,
108.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FBFF
RGB	233, 251, 255
RGB Percent	91%, 98%, 100%
CMY	0.0863, 0.0157, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	191°, 100%, 96%
HSV	191°, 9%, 100%
XYZ	86.1515, 93.5380, 108.1217
YIQ	246.0740, -12.0120, -2.5720

Conversions

Conversions Part 2

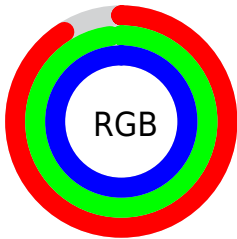
Format	Color
R _Y B	233, 243, 255
Decimal	15334399
CIE _{Lab}	97.45, -5.10, -3.94
CIE _{LCh}	97, 6.444, 217.660
Y _{xy}	93.5380, 0.2993, 0.3250
Android (android.graphics.Color)	4293524479 (0xFFE9FBFF)
Y _{UV}	246.0740, 4.4005, -11.4659
Hunter-Lab	96.7150, -10.2477, 1.4178

Details

The XYZ color **86.1515, 93.5380, 108.1217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2316, 87.7098, 89.4773**, and the grayscale version is **87.6319, 92.1956, 100.4010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8396, 52.4545, 61.0294** is the 20% darker color. If you saturate the color by 10%, you get **76.9927, 86.6978, 107.2841**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

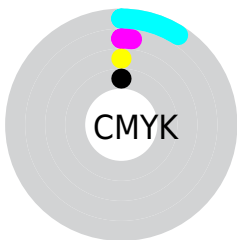
Distribution



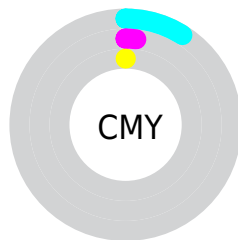
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.1515, 93.5380, 108.1217 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 86.1515, 93.5380, 108.1217 by changing the saturation by 10% instead.


 86.1515, 93.5380,
108.1217

 86.1515, 93.5380,
108.1217


503.8571,
539.4739, 607.3971

 65.1189, 70.9188,
82.4458


140.8866,
152.2432, 174.4232

 47.8226, 52.2759,
61.1951


175.3199,
189.0980, 215.8859

 33.8971, 37.2250,
43.9511

214.9508,
231.4668, 263.4479

 22.9771, 25.3818,
30.2951

260.1447,
279.7339, 317.5278

 14.6972, 16.3617,
19.8088

311.2669,
334.2838, 378.5441

 8.6921, 9.7805,
12.0734

368.6828,

 4.5964, 5.2536,

395.5008, 446.9154

6.6705

432.7578,
463.7694, 523.0603

■ 2.0447, 2.3968,
3.1816

■ 0.6589, 0.8243,
1.1881

■ 86.1515, 93.5380,
108.1217

■ 86.1515, 93.5380,
108.1217

■ 76.9927, 86.6978,
107.2841

95.0500, 100.0000,
108.9000

■ 69.0181, 80.5177,
106.5116

■ 62.1750, 74.9726,
105.8019

■ 56.4034, 70.0314,
105.1524

■ 51.6379, 65.6599,
104.5598

■ 47.8057, 61.8201,
104.0206

■ 44.8237, 58.4688,
103.5309

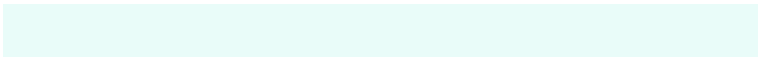
■ 42.5937, 55.5551,
103.0860

■ 40.9757, 53.0064,
102.6793

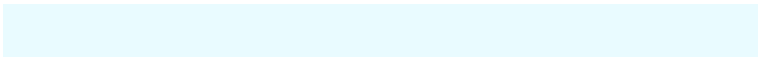
Harmonies

Analogous

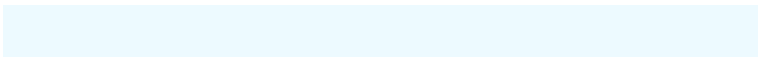
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4669, 93.5380, 103.1946



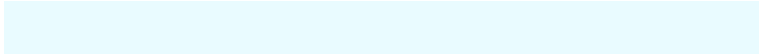
86.1515, 93.5380, 108.1217



87.5758, 93.5380, 111.4441

Triad

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



86.1515, 93.5380, 108.1217



92.1958, 93.5380, 105.7213



88.4374, 93.5380, 92.1929

Complementary

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



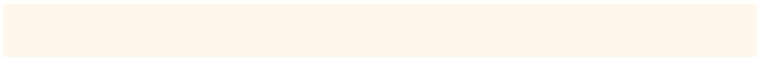
86.1515, 93.5380, 108.1217



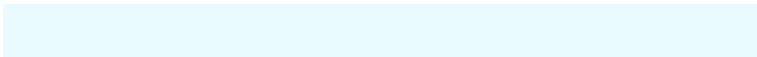
86.2316, 87.7098, 89.4773

Split Complementary

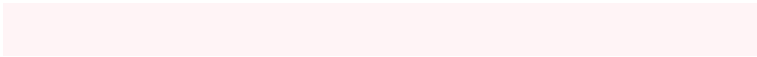
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2478, 93.5380, 92.8173



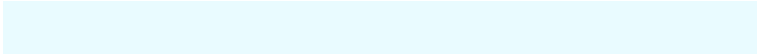
86.1515, 93.5380, 108.1217



92.4342, 93.5380, 100.5111

Square

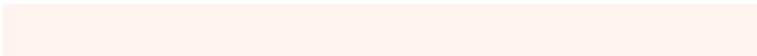
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1515, 93.5380, 108.1217



91.0698, 93.5380, 110.0255



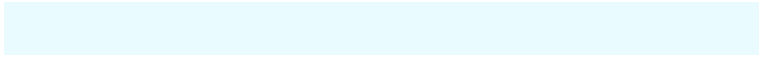
91.7167, 93.5380, 95.8198



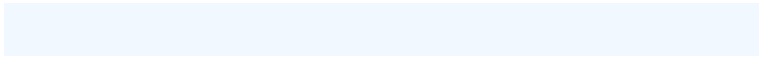
86.7749, 93.5380, 94.0842

Rectangle

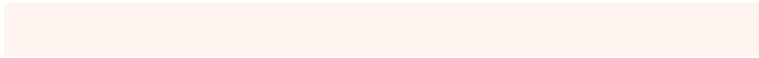
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1515, 93.5380, 108.1217



88.7616, 93.5380, 112.2394



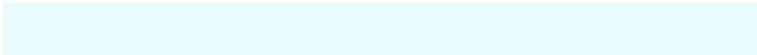
91.7167, 93.5380, 95.8198



89.0487, 93.5380, 92.1167

Sweetspot

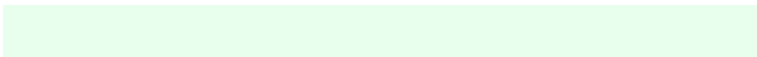
The Sweet Spot groups the original color and five complimentary colors.



86.1539, 93.5418, 108.1223



91.8498, 97.6947, 108.6237



84.6027, 94.9391, 93.7332



19.4807, 20.7811, 23.2344



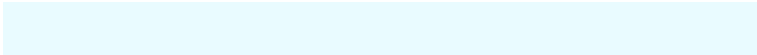
0.0000, 0.0000, 0.0000



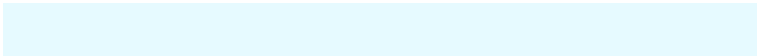
20.3446, 21.4041, 23.3091

Same Dimension

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



86.1539, 93.5418, 108.1223



84.8234, 92.5615, 108.0032



82.9138, 87.0615, 107.0423



18.2579, 19.8873, 23.1263



21.4077, 27.7250, 53.6577



2.1541, 2.8389, 5.2477

Inverse Universe

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



87.7930, 86.5045, 103.3412



86.7112, 84.5011, 102.4868



89.4135, 94.0738, 90.5380



18.6428, 18.2404, 22.0022



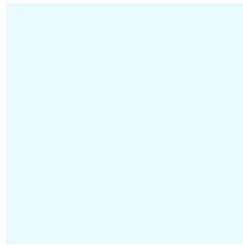
27.5938, 13.5268, 32.8412



2.7219, 1.3311, 3.3829

Previews

White Background



This preview shows how the XYZ color 86.1515, 93.5380, 108.1217 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 86.1515, 93.5380, 108.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

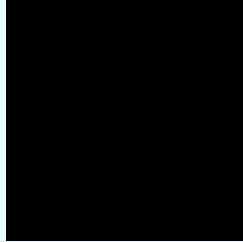
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

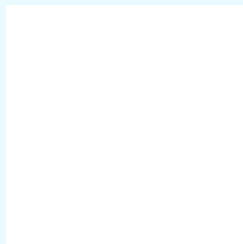
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.1515, 93.5380, 108.1217

Background



This preview shows how black text looks on a background with the XYZ color 86.1515, 93.5380, 108.1217.

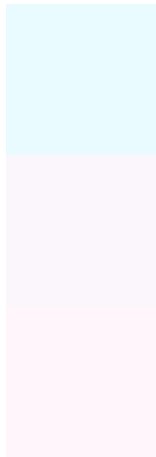


This preview shows how white text looks on a background with the XYZ color 86.1515, 93.5380,

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

86.1515, 93.5380, 108.1217

Protanopia

89.9508, 93.2638, 105.3563

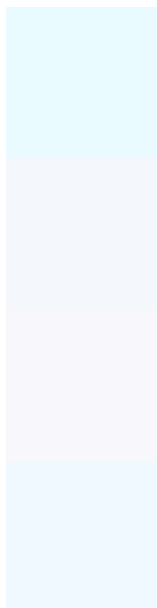
Deuteranopia

91.3050, 93.5299, 104.5076

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

86.1515, 93.5380, 108.1217

Protanomaly

88.6053, 93.4597, 106.2980

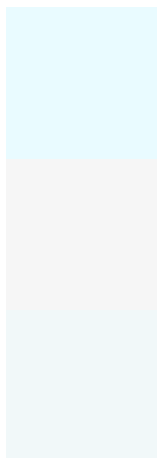
Deuteranomaly

89.1892, 93.3240, 105.4080

Tritanomaly

87.5223, 93.3221, 108.0078

Monochromacy



Original Color

86.1515, 93.5380, 108.1217

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.9419, 92.6751, 102.9283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.1515, 93.5380, 108.1217 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(233, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 251, 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(233, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.1515, 93.5380, 108.1217 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(233, 251, 255) }
```


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

```
.border{ border-color:rgb(233, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.1515, 93.5380, 108.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 251, 255) }
```

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

```
.background{ background-color: rgb(233,  
251, 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