

Converting Colors

XYZ(85.6073, 95.2119,
104.8518)

Have a look what the booklet for
XYZ(85.6073, 95.2119, 104.8518)
contains.

XYZ(85.8057, 95.3080, 105.1406)	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(85.8057, 95.3080,
105.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFFB
RGB	230, 255, 251
RGB Percent	90%, 100%, 98%
CMY	0.0980, 0.0000, 0.0157
CMYK	0.10, 0.00, 0.02, 0.00
HSL	170°, 100%, 95%
HSV	170°, 10%, 100%
XYZ	85.8057, 95.3080, 105.1406
YIQ	247.0690, -13.6160, -6.5440

Conversions

Conversions Part 2

Format	Color
R_{YB}	230, 244, 255
Decimal	15138811
CIE _{Lab}	98.16, -8.81, -0.86
CIE _{LCh}	98, 8.857, 185.573
Yxy	95.3080, 0.2998, 0.3329
Android (android.graphics.Color)	4293328891 (0xFFE6FFFB)
YUV	247.0690, 1.9380, -14.9695
Hunter-Lab	97.6258, -13.9572, 4.4842

Details

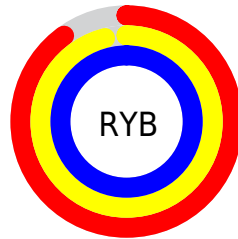
The XYZ color **85.8057, 95.3080, 105.1406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.3887, 83.7953, 89.5685**, and the grayscale version is **88.4565, 93.0631, 101.3457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5000, 53.3270, 59.4194** is the 20% darker color. If you saturate the color by 10%, you get **77.5763, 91.1391, 101.4365**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

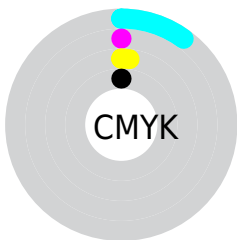
Distribution



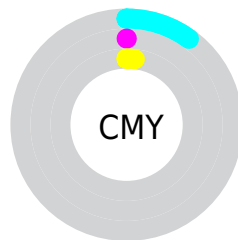
- Red (90%)
- Green (100%)
- Blue (98%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8057, 95.3080, 105.1406 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 85.8057, 95.3080, 105.1406 by changing the saturation by 10% instead.


 85.8057, 95.3080,
105.1406

 85.8057, 95.3080,
105.1406


502.7339,
545.1505, 597.9380

 64.8320, 72.3914,
79.9598


140.4065,
154.6900, 170.3170

 47.5891, 53.4784,
59.1593


174.7644,
191.9242, 211.1498

 33.7115, 38.1848,
42.3205


214.3145,
234.6997, 258.0370

 22.8339, 26.1262,
29.0249

259.4220,
283.4009, 311.3971

 14.5909, 16.9181,
18.8539

310.4523,
338.4122, 371.6488

 8.6172, 10.1761,
11.3890

367.7708,

 4.5475, 5.5159,

400.1180, 439.2104

6.2117

431.7429,
468.9026, 514.5007

■ 2.0163, 2.5530,
2.9034

■ 0.6431, 0.9031,
1.0455

■ 85.8057, 95.3080,
105.1406

■ 85.8057, 95.3080,
105.1406

■ 77.5763, 91.1391,
101.4365

95.0500, 100.0000,
108.9000

■ 70.5051, 87.5656,
97.8569

■ 64.5373, 84.5594,
94.4005

■ 59.6127, 82.0895,
91.0638

■ 55.6652, 80.1217,
87.8433

■ 52.6211, 78.6180,
84.7351

■ 50.3962, 77.5351,
81.7349

■ 48.8899, 76.8212,
78.8374

■ 47.9416, 76.3934,
76.0346

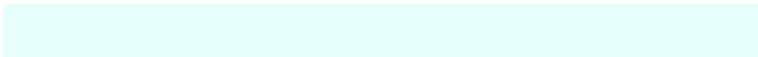
Harmonies

Analogous

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



86.2063, 95.3080, 98.0882



85.8057, 95.3080, 105.1406



86.6667, 95.3080, 112.1389

Triad

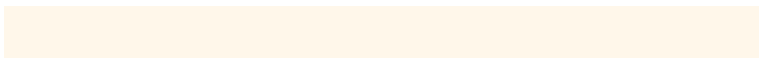
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8057, 95.3080, 105.1406



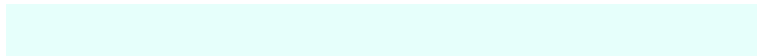
93.4629, 95.3080, 115.5909



92.6253, 95.3080, 91.5347

Complementary

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



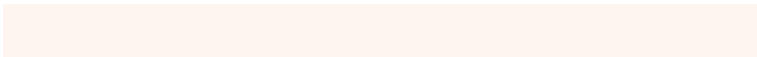
85.8057, 95.3080, 105.1406



84.3887, 83.7953, 89.5685

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.



94.6246, 95.3080, 95.8362



85.8057, 95.3080, 105.1406



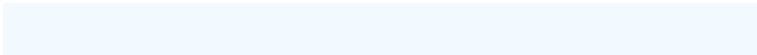
95.1144, 95.3080, 109.6759

Square

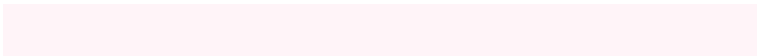
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8057, 95.3080, 105.1406



91.0633, 95.3080, 118.3507



95.5435, 95.3080, 102.4197



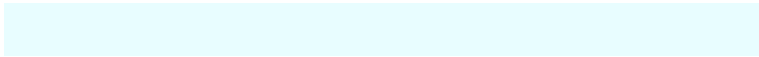
90.1132, 95.3080, 90.4466

Rectangle

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



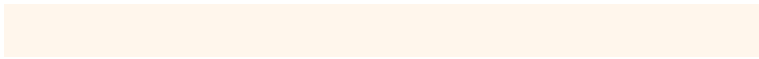
85.8057, 95.3080, 105.1406



87.8500, 95.3080, 115.7636



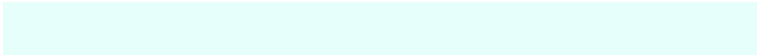
95.5435, 95.3080, 102.4197



93.3811, 95.3080, 92.6426

Sweetspot

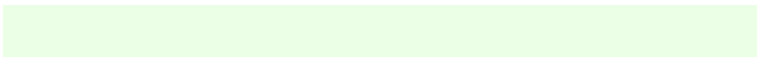
The Sweet Spot groups the original color and five complimentary colors.



85.8066, 95.3085, 105.1421



92.0949, 98.4993, 107.7367



84.0302, 94.7542, 88.7250



19.5471, 20.9991, 22.9940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

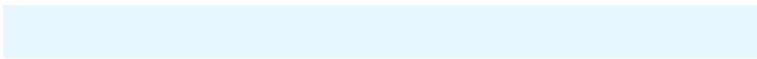
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8066, 95.3085, 105.1421



83.8965, 94.3400, 104.3171



83.8429, 90.3616, 107.6303



18.4227, 20.4286, 22.5288



25.0885, 39.9320, 39.9470



2.4747, 3.9008, 4.0578

Inverse Universe

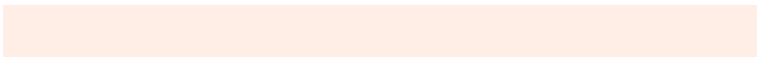
The Inverse Universe completely reimagines the original color for something new.



84.3887, 83.7953, 89.5685



82.1873, 80.4602, 85.5430



86.1953, 88.3174, 87.3684



18.1278, 18.0344, 19.2903



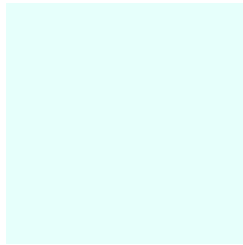
21.7907, 11.2056, 2.2825



2.1540, 1.1040, 0.3924

Previews

White Background



This preview shows how the XYZ color 85.8057, 95.3080, 105.1406 looks on a white background.

Color Contrast Check

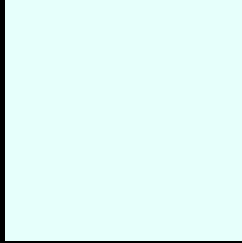
Large Text (above 18pt) WCAG AA × Fail

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 85.8057, 95.3080, 105.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

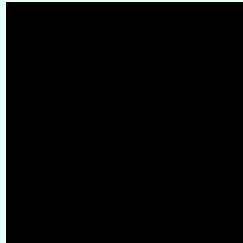
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8057, 95.3080, 105.1406

Background



This preview shows how black text looks on a background with the XYZ color 85.8057, 95.3080, 105.1406.

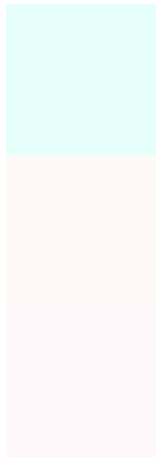


This preview shows how white text looks on a background with the XYZ color 85.8057, 95.3080,

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

85.8057, 95.3080, 105.1406

Protanopia

91.2290, 94.9210, 101.5090

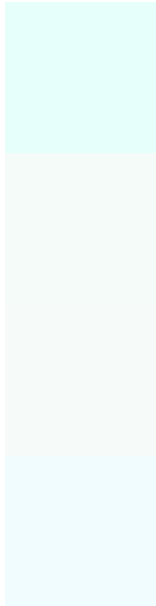
Deuteranopia

92.0627, 95.2969, 103.9844

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

85.8057, 95.3080, 105.1406

Protanomaly

89.0966, 95.1841, 102.4834

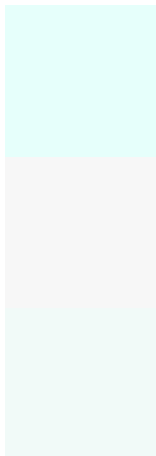
Deuteranomaly

89.7585, 95.4893, 104.1430

Tritanomaly

88.6350, 95.3018, 107.4895

Monochromacy



Original Color

85.8057, 95.3080, 105.1406

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.4045, 93.8493, 102.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8057, 95.3080, 105.1406 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(230, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 251)  
}
```

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(230, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 85.8057, 95.3080, 105.1406 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(230, 255, 251) }
```


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

```
.border{ border-color:rgb(230, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8057, 95.3080, 105.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 251) }
```

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

```
.background{ background-color: rgb(230,  
255, 251) }
```

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