

Converting Colors

XYZ(88.6693, 100.0000,
107.2135)

Have a look what the booklet for
XYZ(88.6693, 100.0000, 107.2135)
contains.

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Color

**XYZ(86.4446, 95.6008,
106.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFFD
RGB	231, 255, 253
RGB Percent	91%, 100%, 99%
CMY	0.0941, 0.0000, 0.0078
CMYK	0.09, 0.00, 0.01, 0.00
HSL	175°, 100%, 95%
HSV	175°, 9%, 100%
XYZ	86.4446, 95.6008, 106.8252
YIQ	247.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

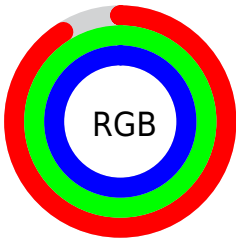
Format	Color
R _Y B	231, 244, 255
Decimal	15204349
CIE Lab	98.27, -8.12, -1.71
CIE LCh	98, 8.300, 191.883
Yxy	95.6008, 0.2993, 0.3309
Android (android.graphics.Color)	4293394429 (0xFFE7FFFD)
YUV	247.5960, 2.6642, -14.5547
Hunter-Lab	97.7757, -13.2935, 3.6654

Details

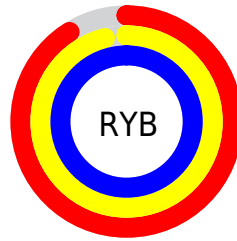
The XYZ color **86.4446, 95.6008, 106.8252** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5245, 84.2961, 88.9067**, and the grayscale version is **88.8799, 93.5085, 101.8308**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8371, 53.4876, 60.0274** is the 20% darker color. If you saturate the color by 10%, you get **78.4690, 91.5280, 104.6973**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

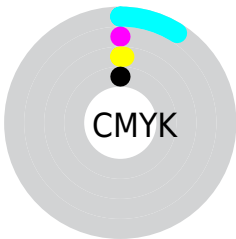
Distribution



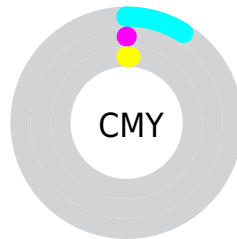
- Red (91%)
- Green (100%)
- Blue (99%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4446, 95.6008, 106.8252 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 86.4446, 95.6008, 106.8252 by changing the saturation by 10% instead.


 86.4446, 95.6008,
106.8252

 86.4446, 95.6008,
106.8252


504.8080,
546.0866, 603.2928

 65.3622, 72.6351,
81.3641


141.2934,
155.0944, 172.6388

 48.0206, 53.6777,
60.3088

175.7905,
192.3911, 213.8284

 34.0545, 38.3440,
43.2406


215.4898,
235.2335, 261.0978

 23.0986, 26.2498,
29.7412

260.7568,
284.0062, 314.8658

 14.7874, 17.0106,
19.3918

311.9568,
339.0934, 375.5507

 8.7557, 10.2421,
11.7741

369.4550,

 4.6380, 5.5597,

400.8796, 443.5711

6.4694

433.6170,
469.7492, 519.3457

■ 2.0690, 2.5793,
3.0592

■ 0.6723, 0.9163,
1.1249

■ 86.4446, 95.6008,
106.8252

■ 86.4446, 95.6008,
106.8252

■ 78.4690, 91.5280,
104.6973

95.0500, 100.0000,
108.9000

■ 71.6436, 88.0478,
102.6414

■ 65.9139, 85.1321,
100.6563

■ 61.2201, 82.7499,
98.7392

■ 57.4963, 80.8673,
96.8868

■ 54.6692, 79.4466,
95.0958

■ 52.6552, 78.4447,
93.3621

■ 51.3546, 77.8101,
91.6810

■ 50.6146, 77.4640,
90.0453

Harmonies

Analogous

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



86.5697, 95.6008, 100.0557



86.4446, 95.6008, 106.8252



87.4887, 95.6008, 113.1244

Triad

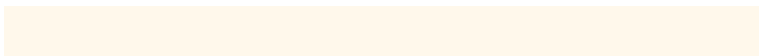
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4446, 95.6008, 106.8252



93.9668, 95.6008, 114.1972



92.3015, 95.6008, 92.0844

Complementary

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



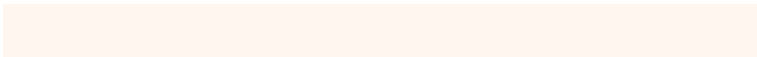
86.4446, 95.6008, 106.8252



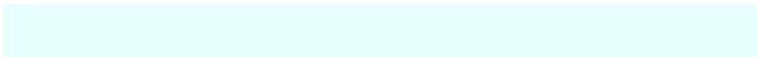
84.5245, 84.2961, 88.9067

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.



94.3285, 95.6008, 95.5556



86.4446, 95.6008, 106.8252



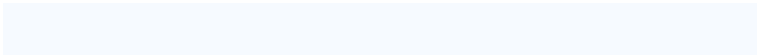
95.3015, 95.6008, 108.2375

Square

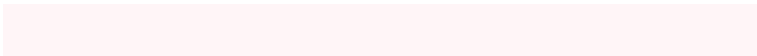
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



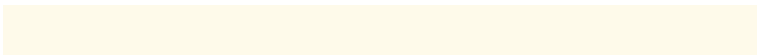
86.4446, 95.6008, 106.8252



91.8147, 95.6008, 117.5037



95.4350, 95.6008, 101.4078



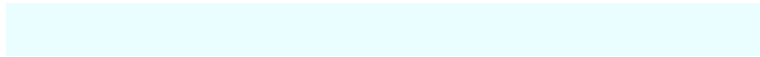
89.9232, 95.6008, 91.7436

Rectangle

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



86.4446, 95.6008, 106.8252



88.7181, 95.6008, 116.1316



95.4350, 95.6008, 101.4078



93.0476, 95.6008, 92.9166

Sweetspot

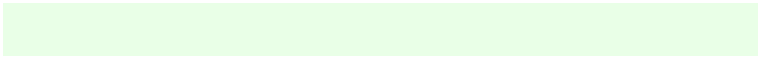
The Sweet Spot groups the original color and five complimentary colors.



86.4455, 95.6012, 106.8267



92.1889, 98.5369, 108.2317



83.7889, 94.6136, 89.4488



19.5726, 21.0093, 23.1280



0.0000, 0.0000, 0.0000



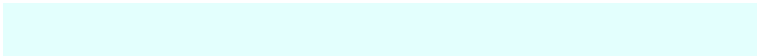
20.3446, 21.4041, 23.3091

Same Dimension

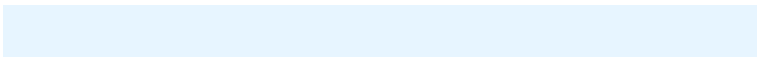
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4455, 95.6012, 106.8267



85.0990, 94.9132, 106.4833



83.6583, 89.5145, 107.4765



18.4858, 20.4538, 22.8610



26.4553, 40.4787, 47.1441



2.5943, 3.9487, 4.6876

Inverse Universe

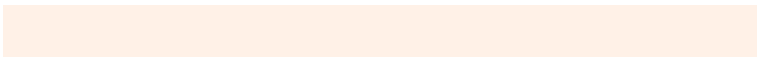
The Inverse Universe completely reimagines the original color for something new.



84.5245, 84.2961, 88.9067



82.8782, 81.8439, 85.7673



87.1197, 89.9409, 88.3714



18.0708, 18.0116, 18.9898



21.6418, 11.1460, 1.4980



2.1272, 1.0933, 0.2513

Previews

White Background



This preview shows how the XYZ color 86.4446, 95.6008, 106.8252 looks on a white background.

Color Contrast Check

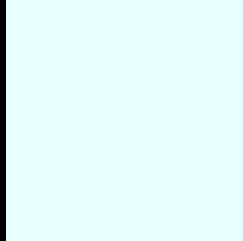
Large Text (above 18pt) WCAG AA × Fail

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 86.4446, 95.6008, 106.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

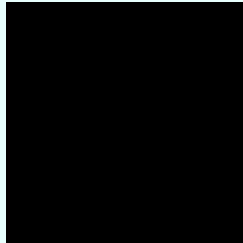
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4446, 95.6008, 106.8252

Background



This preview shows how black text looks on a background with the XYZ color 86.4446, 95.6008, 106.8252.



This preview shows how white text looks on a background with the XYZ color 86.4446, 95.6008,

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

86.4446, 95.6008, 106.8252

Protanopia

91.5393, 95.0452, 103.1434

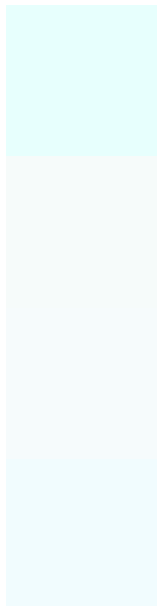
Deuteranopia

92.2200, 95.3598, 104.8126

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

86.4446, 95.6008, 106.8252

Protanomaly

89.7585, 95.4893, 104.1430

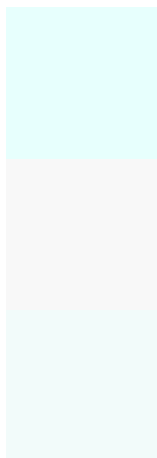
Deuteranomaly

90.0739, 95.6155, 105.8037

Tritanomaly

88.9754, 95.4773, 107.5054

Monochromacy



Original Color

86.4446, 95.6008, 106.8252

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.3704, 94.7737, 104.0780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4446, 95.6008, 106.8252 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(231, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 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(231, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 86.4446, 95.6008, 106.8252 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(231, 255, 253) }
```


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

```
.border{ border-color:rgb(231, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 255, 253); box-shadow:4px 4px 4px 4px rgb(231, 255, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4446, 95.6008, 106.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 253) }
```

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

```
.background{ background-color: rgb(231,  
255, 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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