

Converting Colors

XYZ(87.6123, 96.2035,
106.8467)

Have a look what the booklet for
XYZ(87.6123, 96.2035, 106.8467)
contains.

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Color

**XYZ(87.7506, 96.2740,
106.8863)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFFD
RGB	235, 255, 253
RGB Percent	92%, 100%, 99%
CMY	0.0784, 0.0000, 0.0078
CMYK	0.08, 0.00, 0.01, 0.00
HSL	174°, 100%, 96%
HSV	174°, 8%, 100%
XYZ	87.7506, 96.2740, 106.8863
YIQ	248.7920, -11.2780, -4.8620

Conversions

Conversions Part 2

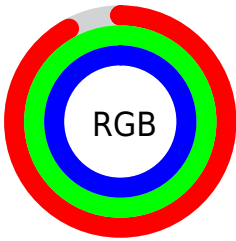
Format	Color
RYB	235, 246, 255
Decimal	15466493
CIELab	98.54, -6.85, -1.29
CIELCh	99, 6.967, 190.632
Yxy	96.2740, 0.3016, 0.3309
Android (android.graphics.Color)	4293656573 (0xFFEBFFFD)
YUV	248.7920, 2.0745, -12.0956
Hunter-Lab	98.1193, -12.0717, 4.0959

Details

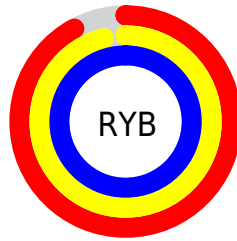
The XYZ color **87.7506, 96.2740, 106.8863** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.2351, 86.7923, 92.3285**, and the grayscale version is **89.8615, 94.5413, 102.9555**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7483, 53.9574, 60.0701** is the 20% darker color. If you saturate the color by 10%, you get **79.5234, 92.0793, 104.3978**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

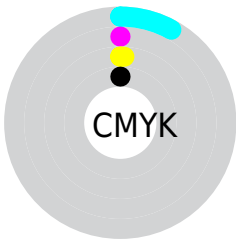
Distribution



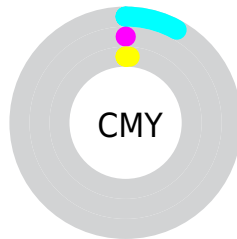
- Red (92%)
- Green (100%)
- Blue (99%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7506, 96.2740, 106.8863 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 87.7506, 96.2740, 106.8863 by changing the saturation by 10% instead.

87.7506, 96.2740,
106.8863

87.7506, 96.2740,
106.8863

509.0338,
548.2356, 603.4866

66.4466, 73.1958,
81.4151

143.1042,
156.0235, 172.7229

48.9041, 54.1361,
60.3505

177.8845,
193.4636, 213.9254

34.7576, 38.7105,
43.2741

217.8877,
236.4598, 261.2087

23.6419, 26.5346,
29.7672

263.4791,
285.3964, 314.9914

15.1915, 17.2240,
19.4114

315.0241,
340.6579, 375.6920

9.0411, 10.3943,
11.7881

372.8879,

4.8253, 5.6612,

402.6287, 443.7290

6.4788

437.4360,
471.6931, 519.5210

■ 2.1788, 2.6402,
3.0649

■ 0.7315, 0.9469,
1.1279

■ 87.7506, 96.2740,
106.8863

■ 87.7506, 96.2740,
106.8863

■ 79.5234, 92.0793,
104.3978

95.0500, 100.0000,
108.9000

■ 72.4563, 88.4821,
101.9902

■ 66.4957, 85.4546,
99.6626

■ 61.5821, 82.9663,
97.4119

■ 57.6511, 80.9839,
95.2351

■ 54.6305, 79.4702,
93.1286

■ 52.4385, 78.3830,
91.0886

■ 50.9786, 77.6727,
89.1103

■ 50.1216, 77.2726,
87.1878

Harmonies

Analogous

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



87.8992, 96.2740, 101.1894



87.7506, 96.2740, 106.8863



88.5969, 96.2740, 112.2182

Triad

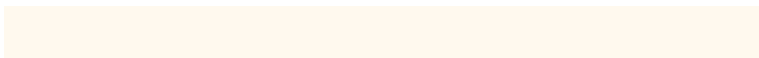
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7506, 96.2740, 106.8863



94.0515, 96.2740, 113.4735



92.7964, 96.2740, 94.7036

Complementary

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



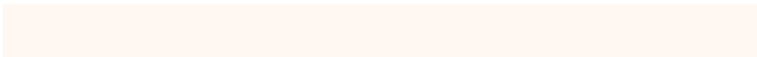
87.7506, 96.2740, 106.8863



86.2351, 86.7923, 92.3285

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.



94.4772, 96.2740, 97.7658



87.7506, 96.2740, 106.8863



95.2092, 96.2740, 108.5488

Square

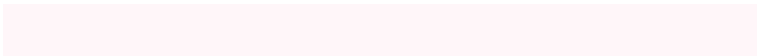
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7506, 96.2740, 106.8863



92.2221, 96.2740, 116.1129



95.3661, 96.2740, 102.7924



90.7927, 96.2740, 94.2953

Rectangle

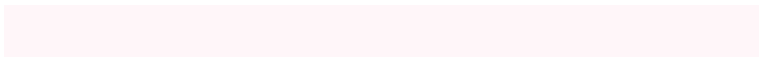
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



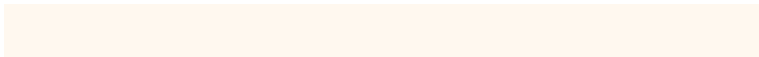
87.7506, 96.2740, 106.8863



89.6188, 96.2740, 114.7954



95.3661, 96.2740, 102.7924



93.4186, 96.2740, 95.4512

Sweetspot

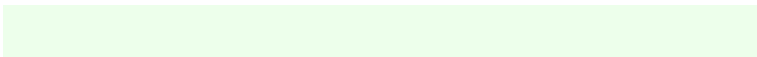
The Sweet Spot groups the original color and five complimentary colors.



87.7516, 96.2745, 106.8878



93.1166, 99.0127, 108.3818



85.6814, 95.5231, 92.5208



19.9510, 21.2031, 23.2036



0.0000, 0.0000, 0.0000



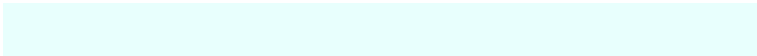
20.3446, 21.4041, 23.3091

Same Dimension

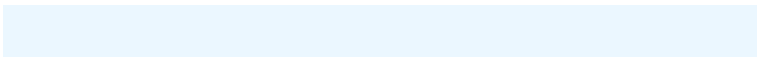
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7516, 96.2745, 106.8878



86.7379, 95.7573, 106.5953



85.5727, 91.4046, 107.7404



18.4720, 20.4483, 22.7886



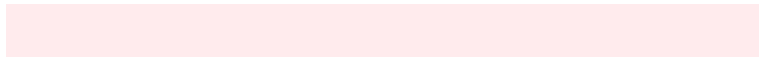
26.1452, 40.3547, 45.5115



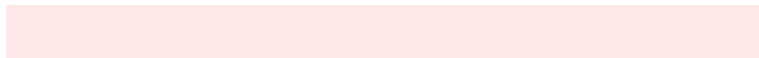
2.5674, 3.9379, 4.5456

Inverse Universe

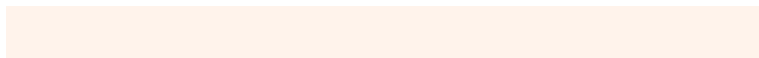
The Inverse Universe completely reimagines the original color for something new.



86.2351, 86.7923, 92.3285



85.0113, 84.9616, 90.0193



88.2867, 91.3602, 91.5800



18.0831, 18.0166, 19.0548



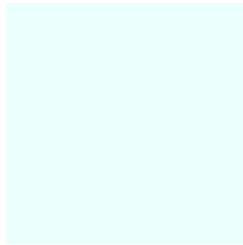
21.6673, 11.1562, 1.6324



2.1330, 1.0956, 0.2820

Previews

White Background



This preview shows how the XYZ color 87.7506, 96.2740, 106.8863 looks on a white background.

Color Contrast Check

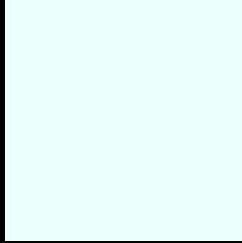
Large Text (above 18pt) WCAG AA × Fail

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 87.7506, 96.2740, 106.8863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

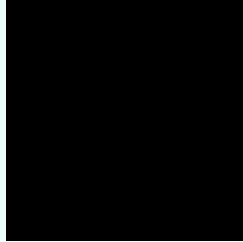
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7506, 96.2740, 106.8863

Background



This preview shows how black text looks on a background with the XYZ color 87.7506, 96.2740, 106.8863.



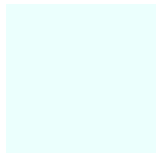
This preview shows how white text looks on a background with the XYZ color 87.7506, 96.2740,

106.8863.

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

87.7506, 96.2740, 106.8863



Protanopia

92.3710, 95.9135, 104.0872

Deuteranopia

92.6864, 96.0396, 105.7479

Tritanopia

91.2586, 96.1708, 108.3607

Trichromacy



A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is a light cyan color, the second is a light blue, the third is a light green, and the bottom is a light yellow.

Original Color

87.7506, 96.2740, 106.8863

Protanomaly

90.6212, 95.9159, 105.0042

Deuteranomaly

90.7793, 95.9791, 105.8367

Tritanomaly

89.6619, 95.8313, 107.5375

Monochromacy



A vertical color bar on the left side of the Monochromacy section, divided into three horizontal segments. The top segment is a light cyan color, the middle is a light blue, and the bottom is a light yellow.

Original Color

87.7506, 96.2740, 106.8863

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0607, 95.1296, 104.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7506, 96.2740, 106.8863 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, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 87.7506, 96.2740, 106.8863 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, 255, 253) }
```


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

```
.border{ border-color:rgb(235, 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(235, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7506, 96.2740, 106.8863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 253) }
```

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

```
.background{ background-color: rgb(235,  
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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