

Converting Colors

XYZ(87.0195, 95.9664,
103.7253)

Have a look what the booklet for
XYZ(87.0195, 95.9664, 103.7253)
contains.

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Color

**XYZ(87.1198, 96.0217,
103.5649)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EBFFF9 |
| RGB | 235, 255, 249 |
| RGB Percent | 92%, 100%, 98% |
| CMY | 0.0784, 0.0000, 0.0235 |
| CMYK | 0.08, 0.00, 0.02, 0.00 |
| HSL | 162°, 100%, 96% |
| HSV | 162°, 8%, 100% |
| XYZ | 87.1198, 96.0217, 103.5649 |
| YIQ | 248.3360, -9.9940, -6.1060 |

Conversions

Conversions Part 2

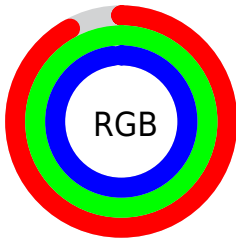
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 235, 247, 255 |
| Decimal | 15466489 |
| CIE Lab | 98.44, -7.59, 0.62 |
| CIE LCh | 98, 7.611, 175.309 |
| Yxy | 96.0217, 0.3039, 0.3349 |
| Android (android.graphics.Color) | 4293656569 (0xFFEBFFF9) |
| YUV | 248.3360, 0.3274, -11.6957 |
| Hunter-Lab | 97.9907, -12.7860, 5.9307 |

Details

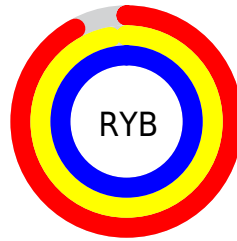
The XYZ color **87.1198, 96.0217, 103.5649** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8260, 87.0285, 95.4410**, and the grayscale version is **89.5008, 94.1618, 102.5422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4101, 53.8221, 58.2893** is the 20% darker color. If you saturate the color by 10%, you get **78.1268, 91.5206, 97.0437**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

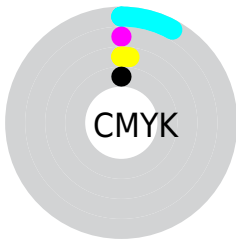
Distribution



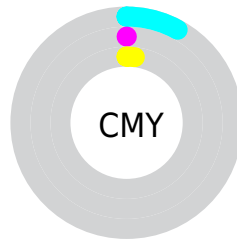
- Red (92%)
- Green (100%)
- Blue (98%)



- Red (92%)
- Yellow (97%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1198, 96.0217, 103.5649 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 87.1198, 96.0217, 103.5649 by changing the saturation by 10% instead.

87.1198, 96.0217,
103.5649

87.1198, 96.0217,
103.5649

506.9951,
547.4307, 592.9066

65.9227, 72.9856,
78.6476

142.2299,
155.6754, 168.1421

48.4771, 53.9642,
58.0865

176.8737,
193.0618, 208.6390

34.4177, 38.5731,
41.4631

216.7303,
236.0004, 255.1663

23.3791, 26.4278,
28.3587

262.1653,
284.8756, 308.1425

14.9959, 17.1439,
18.3548

313.5439,
340.0719, 367.9861

8.9028, 10.3372,
11.0330

371.2315,

4.7344, 5.6231,

401.9735, 435.1156

5.9746

435.5934,
470.9650, 509.9496

■ 2.1255, 2.6173,
2.7611

■ 0.7030, 0.9354,
0.9740

■ 87.1198, 96.0217,
103.5649

■ 87.1198, 96.0217,
103.5649

■ 78.1268, 91.5206,
97.0437

95.0500, 100.0000,
108.9000

■ 70.3365, 87.6341,
90.8280

■ 63.6947, 84.3342,
84.9135

■ 58.1416, 81.5901,
79.2944

■ 53.6117, 79.3681,
73.9645

■ 50.0327, 77.6311,
68.9171

■ 47.3219, 76.3364,
64.1452

■ 45.3823, 75.4342,
59.6409

■ 44.0841, 74.8576,
55.3947

Harmonies

Analogous

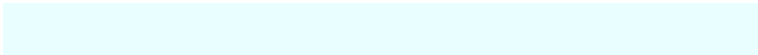
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8361, 96.0217, 97.8153



87.1198, 96.0217, 103.5649



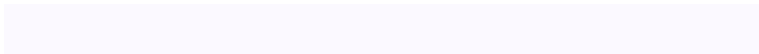
87.4997, 96.0217, 109.8092

Triad

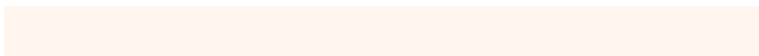
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1198, 96.0217, 103.5649



93.0836, 96.0217, 115.8746



93.6913, 96.0217, 94.9156

Complementary

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



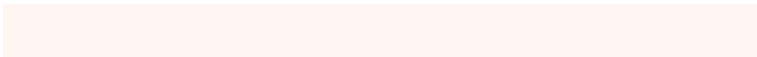
87.1198, 96.0217, 103.5649



86.8260, 87.0285, 95.4410

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.



95.1383, 96.0217, 99.4640



87.1198, 96.0217, 103.5649



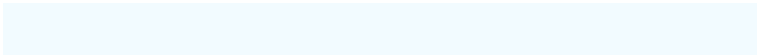
94.7835, 96.0217, 111.5896

Square

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



87.1198, 96.0217, 103.5649



90.9207, 96.0217, 117.0790



95.5412, 96.0217, 105.5440



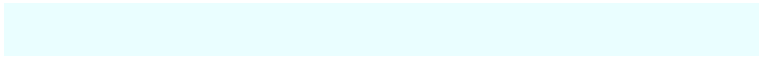
91.6117, 96.0217, 92.9508

Rectangle

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



87.1198, 96.0217, 103.5649



88.3268, 96.0217, 113.3903



95.5412, 96.0217, 105.5440



94.2691, 96.0217, 96.1840

Sweetspot

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



87.1207, 96.0221, 103.5664



92.9532, 98.9474, 107.5214



87.0317, 96.2193, 92.5837



19.9178, 21.1898, 23.0286



0.0000, 0.0000, 0.0000



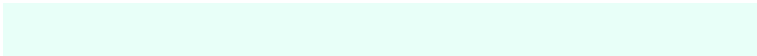
20.3446, 21.4041, 23.3091

Same Dimension

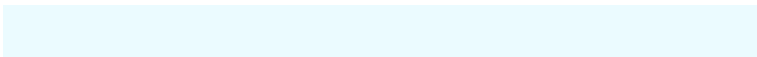
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1207, 96.0221, 103.5664



86.0163, 95.4687, 102.7955



86.8088, 93.8771, 108.1525



18.3091, 20.3832, 21.9308



22.9806, 39.0888, 28.8468



2.2859, 3.8253, 3.0632

Inverse Universe

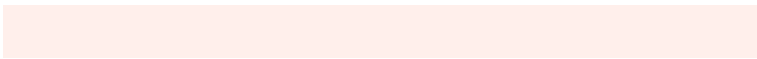
The Inverse Universe completely reimagines the original color for something new.



86.8260, 87.0285, 95.4410



85.6809, 85.2294, 93.5449



87.1026, 88.9921, 91.1850



18.2336, 18.0767, 19.8471



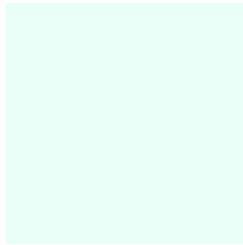
22.2964, 11.4078, 4.9453



2.2167, 1.1291, 0.7226

Previews

White Background



This preview shows how the XYZ color 87.1198, 96.0217, 103.5649 looks on a white background.

Color Contrast Check

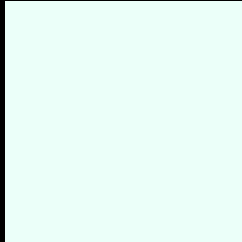
Large Text (above 18pt) WCAG AA × Fail

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 87.1198, 96.0217, 103.5649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

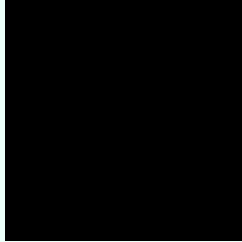
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

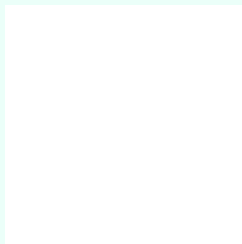
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1198, 96.0217, 103.5649

Background



This preview shows how black text looks on a background with the XYZ color 87.1198, 96.0217, 103.5649.



This preview shows how white text looks on a background with the XYZ color 87.1198, 96.0217,

103.5649.

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

87.1198, 96.0217, 103.5649

Protanopia

91.7502, 95.6652, 100.8182

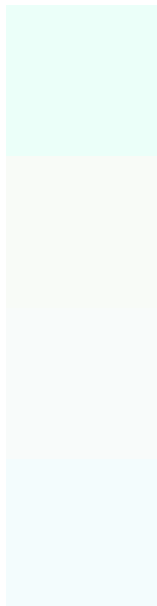
Deuteranopia

92.5283, 95.9764, 104.9153

Tritanopia

91.2586, 96.1708, 108.3607

Trichromacy



Original Color

87.1198, 96.0217, 103.5649

Protanomaly

89.9971, 95.6662, 101.7178

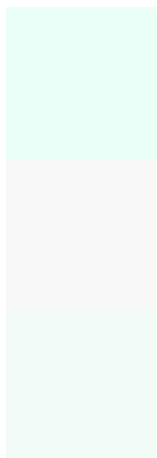
Deuteranomaly

90.4639, 95.8529, 104.1760

Tritanomaly

89.5022, 95.7673, 106.6962

Monochromacy



Original Color

87.1198, 96.0217, 103.5649

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.4026, 94.8264, 102.4509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1198, 96.0217, 103.5649 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 87.1198, 96.0217, 103.5649 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, 249) }
```


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

```
.border{ border-color:rgb(235, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1198, 96.0217, 103.5649 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, 249) }
```

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

```
.background{ background-color: rgb(235,  
255, 249) }
```

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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