

Converting Colors

XYZ(87.1966, 96.1681, 98.7425)

Have a look what the booklet for
XYZ(87.1966, 96.1681, 98.7425)
contains.

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Color

**XYZ(87.1976, 96.1682,
98.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFF3
RGB	238, 255, 243
RGB Percent	93%, 100%, 95%
CMY	0.0667, 0.0000, 0.0471
CMYK	0.07, 0.00, 0.05, 0.00
HSL	138°, 100%, 97%
HSV	138°, 7%, 100%
XYZ	87.1976, 96.1682, 98.7605
YIQ	248.5490, -6.2800, -7.3360

Conversions

Conversions Part 2

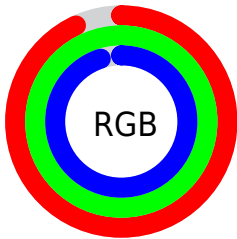
Format	Color
R_{YB}	238, 251, 255
Decimal	15663091
CIE _{Lab}	98.50, -7.69, 3.81
CIE _{LCh}	98, 8.585, 153.634
Yxy	96.1682, 0.3091, 0.3409
Android (android.graphics.Color)	4293853171 (0xFFEEFF3)
YUV	248.5490, -2.7357, -9.2515
Hunter-Lab	98.0654, -12.8961, 8.9355

Details

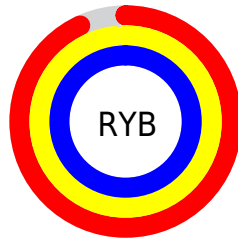
The XYZ color **87.1976, 96.1682, 98.7605** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0704, 89.3123, 102.9870**, and the grayscale version is **89.6974, 94.3687, 102.7675**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4551, 53.9211, 54.8677** is the 20% darker color. If you saturate the color by 10%, you get **76.6472, 91.0281, 84.7664**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

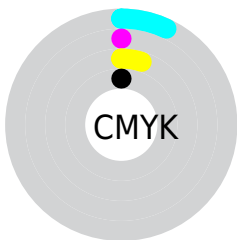
Distribution



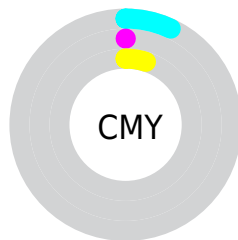
- Red (93%)
- Green (100%)
- Blue (95%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1976, 96.1682, 98.7605 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 87.1976, 96.1682, 98.7605 by changing the saturation by 10% instead.

87.1976, 96.1682,
98.7605

87.1976, 96.1682,
98.7605

507.2468,
547.8981, 577.4241

65.9873, 73.1077,
74.6547

142.3378,
155.8775, 161.4898

48.5298, 54.0640,
54.8300

176.9984,
193.2951, 200.9503

34.4596, 38.6528,
38.8680

216.8732,
236.2671, 246.3662

23.4115, 26.4898,
26.3500

262.3274,
285.1780, 298.1559

15.0200, 17.1904,
16.8575

313.7266,
340.4122, 356.7380

8.9198, 10.3703,
9.9721

371.4359,

4.7456, 5.6452,

402.3540, 422.5310

5.2751

435.8209,
471.3878, 495.9535

■ 2.1320, 2.6306,
2.3480

■ 0.7065, 0.9420,
0.7579

■ 87.1976, 96.1682,
98.7605

■ 87.1976, 96.1682,
98.7605

■ 76.6472, 91.0281,
84.7664

95.0500, 100.0000,
108.9000

■ 67.5169, 86.5902,
72.1886

■ 59.7450, 82.8236,
60.9840

■ 53.2648, 79.6948,
51.1057

■ 48.0032, 77.1674,
42.5040

■ 43.8801, 75.2008,
35.1264

■ 40.8048, 73.7497,
28.9162

■ 38.6722, 72.7611,
23.8123

■ 37.3519, 72.1691,
19.7475

Harmonies

Analogous

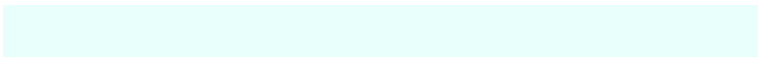
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7884, 96.1682, 93.7440



87.1976, 96.1682, 98.7605



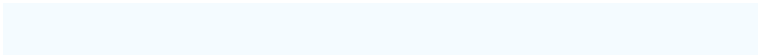
86.7269, 96.1682, 105.5790

Triad

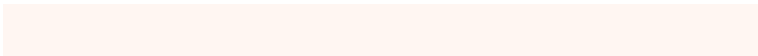
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1976, 96.1682, 98.7605



91.7076, 96.1682, 118.9440



95.4341, 96.1682, 97.3253

Complementary

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



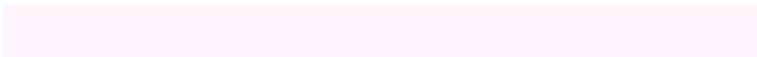
87.1976, 96.1682, 98.7605



89.0704, 89.3123, 102.9870

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.



96.2484, 96.1682, 103.8474



87.1976, 96.1682, 98.7605



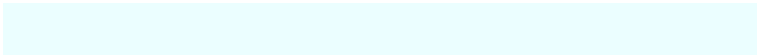
94.0724, 96.1682, 116.5012

Square

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



87.1976, 96.1682, 98.7605



89.3030, 96.1682, 117.4333



95.7456, 96.1682, 110.8955



93.5397, 96.1682, 92.9421

Rectangle

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



87.1976, 96.1682, 98.7605



87.1045, 96.1682, 110.2832



95.7456, 96.1682, 110.8955



95.8448, 96.1682, 99.3294

Sweetspot

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



87.1985, 96.1686, 98.7620



92.6243, 98.8158, 105.7894



90.6832, 98.0511, 95.0366



19.8508, 21.1631, 22.6760



0.0000, 0.0000, 0.0000



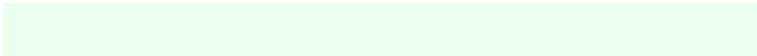
20.3446, 21.4041, 23.3091

Same Dimension

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



87.1985, 96.1686, 98.7620



85.7066, 95.4412, 96.8114



88.4832, 96.6825, 105.5271



17.9913, 20.2561, 20.2574



19.4054, 37.6588, 10.0203



1.9348, 3.6848, 1.2143

Inverse Universe

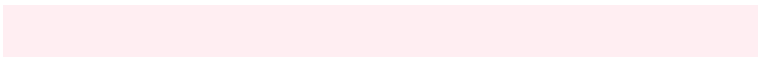
The Inverse Universe completely reimagines the original color for something new.



89.0704, 89.3123, 102.9870



87.9327, 87.2874, 101.8357



87.7948, 88.8021, 96.2696



18.5516, 18.2039, 21.5218



25.9216, 12.8579, 24.0353



2.5718, 1.2711, 2.5922

Previews

White Background



This preview shows how the XYZ color 87.1976, 96.1682, 98.7605 looks on a white background.

Color Contrast Check

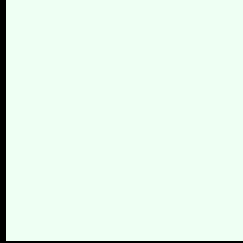
Large Text (above 18pt) WCAG AA × Fail

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 87.1976, 96.1682, 98.7605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

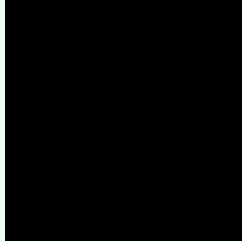
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

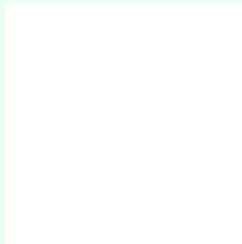
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1976, 96.1682, 98.7605

Background



This preview shows how black text looks on a background with the XYZ color 87.1976, 96.1682, 98.7605.



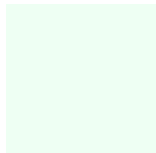
This preview shows how white text looks on a background with the XYZ color 87.1976, 96.1682,

98.705.

Color Blindness Simulation

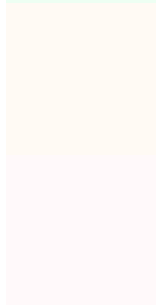
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.1976, 96.1682, 98.7605



Protanopia

91.7547, 96.1629, 99.3132

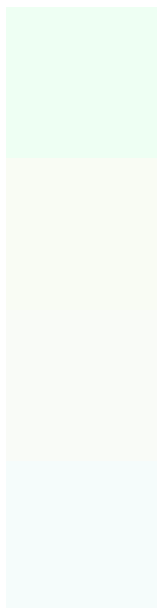
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.1976, 96.1682, 98.7605

Protanomaly

90.2065, 96.2922, 99.4198

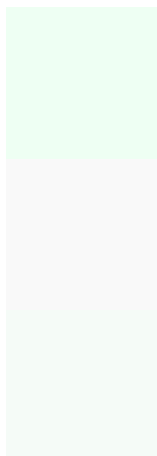
Deuteranomaly

90.3526, 95.8495, 101.7344

Tritanomaly

89.8792, 95.9983, 105.0592

Monochromacy



Original Color

87.1976, 96.1682, 98.7605

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

88.9419, 95.1222, 101.6684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1976, 96.1682, 98.7605 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(238, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 243)  
}
```

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(238, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 87.1976, 96.1682, 98.7605 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(238, 255, 243) }
```


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

```
.border{ border-color:rgb(238, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 255, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 255, 243); box-shadow:4px 4px 4px 4px rgb(238, 255, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1976, 96.1682, 98.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 243) }
```

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

```
.background{ background-color: rgb(238,  
255, 243) }
```

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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