

Converting Colors

XYZ(89.4713, 100.0000,
103.5623)

Have a look what the booklet for
XYZ(89.4713, 100.0000, 103.5623)
contains.

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Color

**XYZ(87.6283, 96.3018,
102.7765)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFF8
RGB	237, 255, 248
RGB Percent	93%, 100%, 97%
CMY	0.0706, 0.0000, 0.0274
CMYK	0.07, 0.00, 0.03, 0.00
HSL	157°, 100%, 96%
HSV	157°, 7%, 100%
XYZ	87.6283, 96.3018, 102.7765
YIQ	248.8200, -8.4810, -5.9930

Conversions

Conversions Part 2

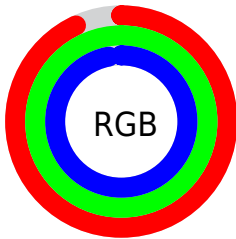
Format	Color
R _Y B	237, 248, 255
Decimal	15597560
CIE Lab	98.55, -7.12, 1.31
CIE LCh	99, 7.242, 169.542
Yxy	96.3018, 0.3056, 0.3359
Android (android.graphics.Color)	4293787640 (0xFFEDFFF8)
YUV	248.8200, -0.4043, -10.3661
Hunter-Lab	98.1335, -12.3420, 6.5982

Details

The XYZ color **87.6283, 96.3018, 102.7765** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.8538, 88.3611, 98.0130**, and the grayscale version is **89.9025, 94.5844, 103.0024**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7646, 54.0177, 57.7255** is the 20% darker color. If you saturate the color by 10%, you get **78.2133, 91.6213, 94.5180**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

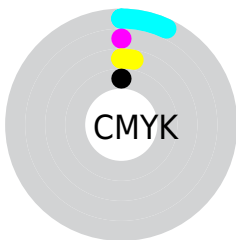
Distribution



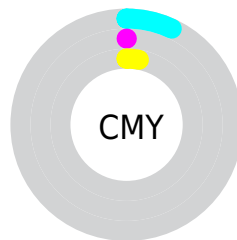
- Red (93%)
- Green (100%)
- Blue (97%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6283, 96.3018, 102.7765 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 87.6283, 96.3018, 102.7765 by changing the saturation by 10% instead.


 87.6283, 96.3018,
102.7765

 87.6283, 96.3018,
102.7765


508.6389,
548.3242, 590.3807

 66.3450, 73.2189,
77.9916


142.9347,
156.0619, 167.0526

 48.8213, 54.1550,
57.5506


177.6886,
193.5079, 207.3808

 34.6917, 38.7256,
41.0352


217.6635,
236.5104, 253.7272

 23.5909, 26.5463,
28.0267

263.2246,
285.4538, 306.5103

 15.1535, 17.2328,
18.1066

314.7373,
340.7224, 366.1487

 9.0142, 10.4006,
10.8563

372.5670,

 4.8076, 5.6654,

402.7008, 433.0608

5.8573

437.0791,
471.7733, 507.6653

■ 2.1684, 2.6427,
2.6911

■ 0.7260, 0.9482,
0.9390

■ 87.6283, 96.3018,
102.7765

■ 87.6283, 96.3018,
102.7765

■ 78.2133, 91.6213,
94.5180

95.0500, 100.0000,
108.9000

■ 70.0375, 87.5703,
86.7350

■ 63.0462, 84.1208,
79.4197

■ 57.1792, 81.2419,
72.5624

■ 52.3708, 78.9000,
66.1531

■ 48.5486, 77.0578,
60.1810

■ 45.6301, 75.6730,
54.6351

■ 43.5187, 74.6959,
49.5031

■ 42.0916, 74.0635,
44.7715

Harmonies

Analogous

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



88.5017, 96.3018, 97.5484



87.6283, 96.3018, 102.7765



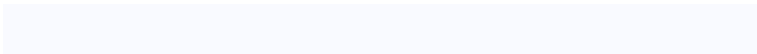
87.7888, 96.3018, 108.7619

Triad

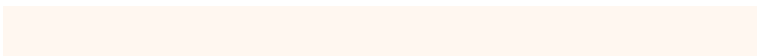
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6283, 96.3018, 102.7765



92.8857, 96.3018, 116.1061



94.1703, 96.3018, 96.3227

Complementary

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



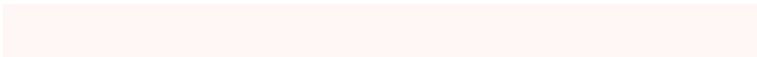
87.6283, 96.3018, 102.7765



87.8538, 88.3611, 98.0130

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.



95.3801, 96.3018, 101.0453



87.6283, 96.3018, 102.7765



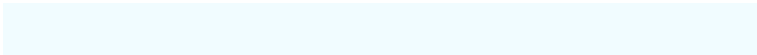
94.6307, 96.3018, 112.5203

Square

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



87.6283, 96.3018, 102.7765



90.8029, 96.3018, 116.6128



95.5499, 96.3018, 106.9639



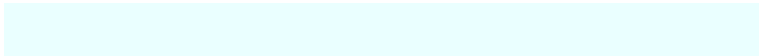
92.2650, 96.3018, 93.9177

Rectangle

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



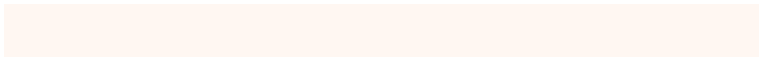
87.6283, 96.3018, 102.7765



88.4612, 96.3018, 112.3722



95.5499, 96.3018, 106.9639



94.6730, 96.3018, 97.6832

Sweetspot

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



87.6292, 96.3023, 102.7780



92.8808, 98.9185, 107.1405



88.4244, 96.9036, 94.1659



19.9031, 21.1840, 22.9510



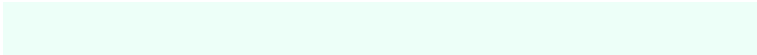
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

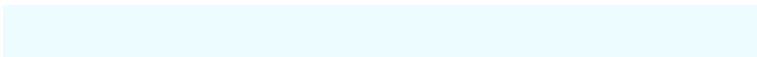
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6292, 96.3023, 102.7780



86.6880, 95.8337, 101.9794



88.1642, 95.6019, 108.4140



18.2381, 20.3548, 21.5567



21.8896, 38.6524, 23.1016



2.1849, 3.7849, 2.5316

Inverse Universe

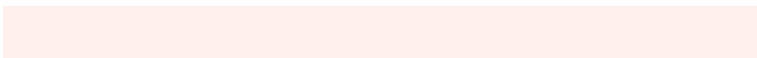
The Inverse Universe completely reimagines the original color for something new.



87.8538, 88.3611, 98.0130



86.9410, 86.8907, 96.6133



87.3348, 88.9914, 92.6962



18.3018, 18.1040, 20.2062



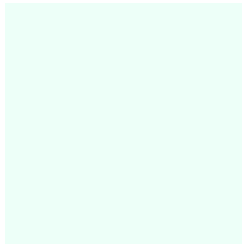
22.7971, 11.6081, 7.5820



2.2713, 1.1509, 1.0102

Previews

White Background



This preview shows how the XYZ color 87.6283, 96.3018, 102.7765 looks on a white background.

Color Contrast Check

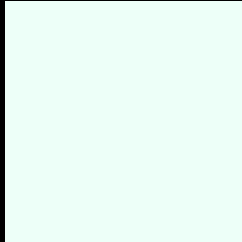
Large Text (above 18pt) WCAG AA × Fail

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 87.6283, 96.3018, 102.7765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

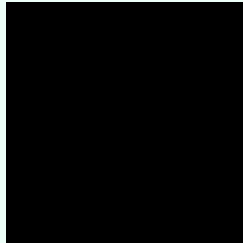
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

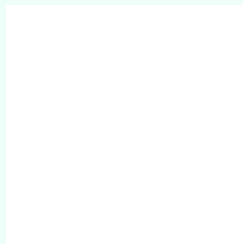
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.6283, 96.3018, 102.7765

Background



This preview shows how black text looks on a background with the XYZ color 87.6283, 96.3018, 102.7765.



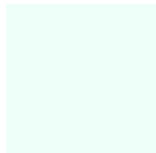
This preview shows how white text looks on a background with the XYZ color 87.6283, 96.3018,

102.765.

Color Blindness Simulation

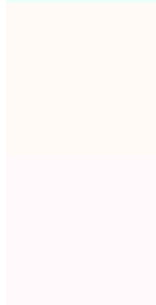
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.6283, 96.3018, 102.7765



Protanopia

92.0602, 96.2850, 100.9216

Deuteranopia

92.5283, 95.9764, 104.9153

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

87.6283, 96.3018, 102.7765

Protanomaly

90.3103, 96.2927, 101.8222

Deuteranomaly

90.4639, 95.8529, 104.1760

Tritanomaly

90.0373, 96.0616, 105.8917

Monochromacy



Original Color

87.6283, 96.3018, 102.7765

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.2523, 95.2464, 103.3028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6283, 96.3018, 102.7765 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(237, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 248)  
}
```

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(237, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 87.6283, 96.3018, 102.7765 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(237, 255, 248) }
```


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

```
.border{ border-color:rgb(237, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6283, 96.3018, 102.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 248) }
```

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

```
.background{ background-color: rgb(237,  
255, 248) }
```

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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