

Converting Colors

XYZ(86.9592, 96.4711, 79.5128)

Have a look what the booklet for
XYZ(86.9592, 96.4711, 79.5128)
contains.

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Color

**XYZ(86.9958, 96.4862,
79.6842)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD9
RGB	248, 255, 217
RGB Percent	97%, 100%, 85%
CMY	0.0274, 0.0000, 0.1490
CMYK	0.03, 0.00, 0.15, 0.00
HSL	71°, 100%, 93%
HSV	71°, 15%, 100%
XYZ	86.9958, 96.4862, 79.6842
YIQ	248.5750, 8.0260, -13.3020

Conversions

Conversions Part 2

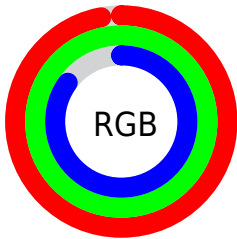
Format	Color
R _Y B	217, 255, 224
Decimal	16318425
CIE Lab	98.63, -8.61, 17.40
CIE LCh	99, 19.411, 116.332
Yxy	96.4862, 0.3306, 0.3666
Android (android.graphics.Color)	4294508505 (0xFFF8FFD9)
YUV	248.5750, -15.5665, -0.5043
Hunter-Lab	98.2274, -13.8081, 20.6618

Details

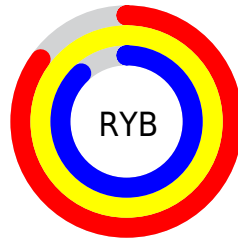
The XYZ color **86.9958, 96.4862, 79.6842** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.6042, 72.6942, 104.7598**, and the grayscale version is **89.8121, 94.4893, 102.8988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2015, 54.0732, 42.0791** is the 20% darker color. If you saturate the color by 10%, you get **82.2865, 94.4126, 63.4669**, and if you desaturate by 10%, it is **92.2607, 98.7870, 98.6055**.

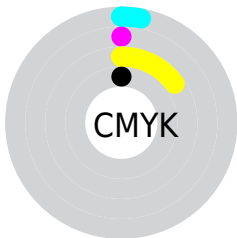
Distribution



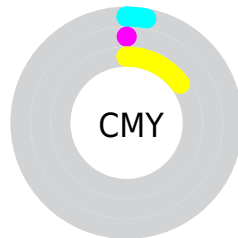
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9958, 96.4862, 79.6842 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 86.9958, 96.4862, 79.6842 by changing the saturation by 10% instead.


 86.9958, 96.4862,
79.6842

 86.9958, 96.4862,
79.6842


506.5938,
548.9120, 513.5466

 65.8198, 73.3726,
58.9339

142.0580,
156.3163, 134.7290

 48.3933, 54.2807,
42.1402


176.6748,
193.8015, 169.8606

 34.3510, 38.8261,
28.8847


216.5026,
236.8460, 210.6230

 23.3275, 26.6245,
18.7488

261.9068,
285.8342, 257.4348

 14.9576, 17.2914,
11.3139

313.2526,
341.1505, 310.7146

 8.8757, 10.4425,
6.1616

370.9055,

 4.7167, 5.6933,

403.1793, 370.8807

2.8732

435.2308,
472.3050, 438.3519

■ 2.1150, 2.6595,
1.0303

■ 0.6974, 0.9567,
0.0000

■ 86.9958, 96.4862,
79.6842

■ 86.9958, 96.4862,
79.6842

■ 82.2865, 94.4126,
63.4669

■ 92.2607, 98.7870,
98.6055

■ 78.1072, 92.5557,
49.8257

95.0500, 100.0000,
108.9000

■ 74.4330, 90.9055,
38.6290

■ 71.2358, 89.4510,
29.7315

■ 68.4851, 88.1797,
22.9729

■ 66.1460, 87.0777,
18.1722

■ 64.1783, 86.1288,
15.1185

■ 62.5323, 85.3133,
13.5521

■ 61.7810, 84.9343,
13.1378

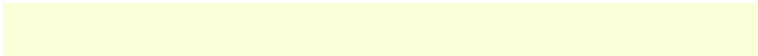
Harmonies

Analogous

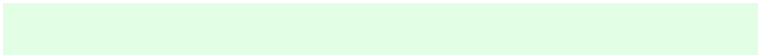
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4004, 96.4862, 77.0941



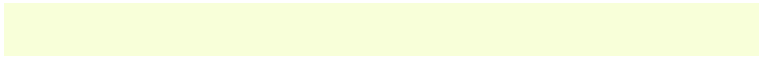
86.9958, 96.4862, 79.6842



83.0024, 96.4862, 88.8136

Triad

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



86.9958, 96.4862, 79.6842



85.8447, 96.4862, 132.9836



102.9223, 96.4862, 107.0497

Complementary

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



86.9958, 96.4862, 79.6842



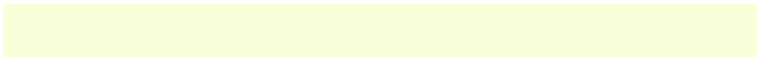
73.6042, 72.6942, 104.7598

Split Complementary

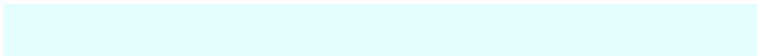
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0003, 96.4862, 123.1693



86.9958, 96.4862, 79.6842



91.0175, 96.4862, 139.0759

Square

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



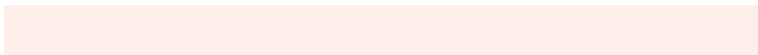
86.9958, 96.4862, 79.6842



82.3571, 96.4862, 119.3951



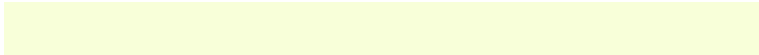
96.5858, 96.4862, 135.3142



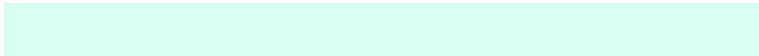
101.7395, 96.4862, 91.9155

Rectangle

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



86.9958, 96.4862, 79.6842



81.6004, 96.4862, 97.9111



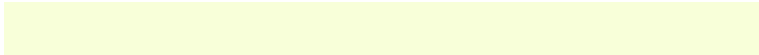
96.5858, 96.4862, 135.3142



102.6159, 96.4862, 112.5426

Sweetspot

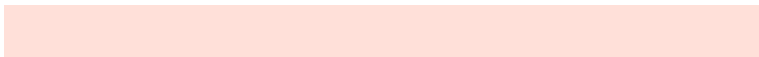
The Sweet Spot groups the original color and five complimentary colors.



86.9964, 96.4865, 79.6856



92.7631, 99.0058, 100.4471



80.4118, 79.5642, 76.7663



19.7653, 21.1522, 21.1704



0.0000, 0.0000, 0.0000



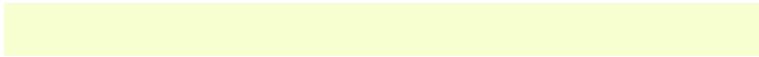
20.3446, 21.4041, 23.3091

Same Dimension

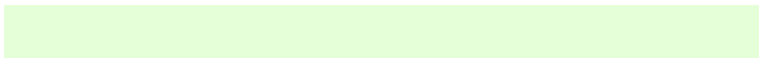
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9964, 96.4865, 79.6856



85.4787, 95.8200, 74.3764



80.6088, 93.1936, 79.3867



19.2138, 20.9117, 19.1680



32.4001, 44.4410, 6.8703



3.2359, 4.3689, 0.6727

Inverse Universe

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



73.6042, 72.6942, 104.7598



69.6554, 67.7068, 104.0052



79.8143, 75.8957, 105.0504



17.3151, 17.5386, 22.7226



10.1324, 4.1339, 49.6985



1.0664, 0.4436, 4.8427

Previews

White Background



This preview shows how the XYZ color 86.9958, 96.4862, 79.6842 looks on a white background.

Color Contrast Check

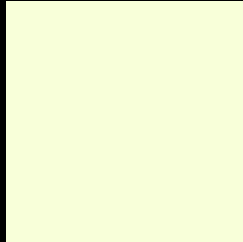
Large Text (above 18pt) WCAG AA × Fail

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 86.9958, 96.4862, 79.6842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

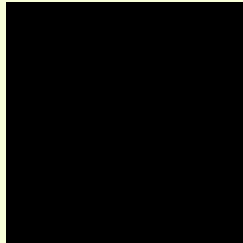
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9958, 96.4862, 79.6842

Background



This preview shows how black text looks on a background with the XYZ color 86.9958, 96.4862, 79.6842.



This preview shows how white text looks on a background with the XYZ color 86.9958, 96.4862,

79.6842.

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

86.9958, 96.4862, 79.6842

Protanopia

91.4654, 96.5456, 96.2525

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

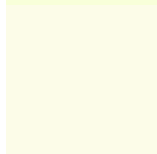
92.3805, 96.2867, 108.3240

Trichromacy



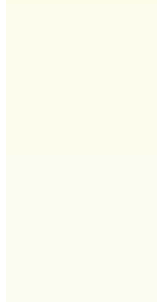
Original Color

86.9958, 96.4862, 79.6842



Protanomaly

89.5208, 96.1424, 90.1830



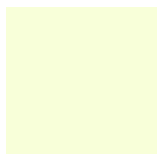
Deuteranomaly

90.2413, 96.4307, 93.9775

Tritanomaly

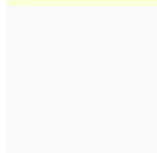
90.4712, 96.4809, 97.0734

Monochromacy



Original Color

86.9958, 96.4862, 79.6842



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.8502, 95.2485, 93.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9958, 96.4862, 79.6842 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(248, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 217)  
}
```

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(248, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 86.9958, 96.4862, 79.6842 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(248, 255, 217) }
```


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

```
.border{ border-color:rgb(248, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9958, 96.4862, 79.6842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 217) }
```

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

```
.background{ background-color: rgb(248,  
255, 217) }
```

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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