

Converting Colors

XYZ(86.4776, 95.0421, 68.4720)

Have a look what the booklet for
XYZ(86.4776, 95.0421, 68.4720)
contains.

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Color

**XYZ(86.4757, 95.0509,
68.4325)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCC8
RGB	255, 252, 200
RGB Percent	100%, 99%, 78%
CMY	0.0000, 0.0117, 0.2157
CMYK	0.00, 0.01, 0.22, 0.00
HSL	57°, 100%, 89%
HSV	57°, 22%, 100%
XYZ	86.4757, 95.0509, 68.4325
YIQ	246.9690, 18.4800, -15.5360

Conversions

Conversions Part 2

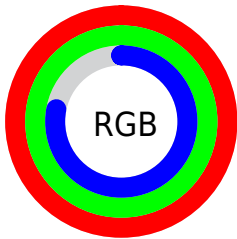
Format	Color
R _Y B	203, 255, 200
Decimal	16776392
CIE Lab	98.05, -7.12, 25.33
CIE LCh	98, 26.310, 105.695
Yxy	95.0509, 0.3460, 0.3803
Android (android.graphics.Color)	4294966472 (0xFFFFFCC8)
YUV	246.9690, -23.1557, 7.0432
Hunter-Lab	97.4941, -12.2879, 26.6293

Details

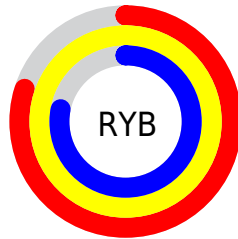
The XYZ color **86.4757, 95.0509, 68.4325** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.2250, 62.2096, 103.2831**, and the grayscale version is **88.5567, 93.1685, 101.4605**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2169, 53.5609, 34.9911** is the 20% darker color. If you saturate the color by 10%, you get **83.3071, 93.0918, 53.8793**, and if you desaturate by 10%, it is **90.1492, 97.2235, 85.6085**.

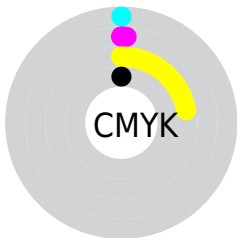
Distribution



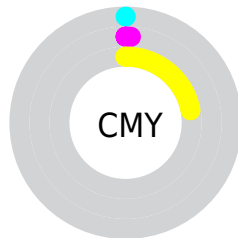
- Red (100%)
- Green (99%)
- Blue (78%)



- Red (80%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4757, 95.0509, 68.4325 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 86.4757, 95.0509, 68.4325 by changing the saturation by 10% instead.


 86.4757, 95.0509,
68.4325

 86.4757, 95.0509,
68.4325

504.9089,
544.3279, 473.6665

 65.3880, 72.1773,
49.7808


141.3365,
154.3349, 118.6307

 48.0416, 53.3036,
34.8693


175.8404,
191.5142, 151.0143

 34.0712, 38.0452,
23.2795


215.5470,
234.2308, 188.8122

 23.1115, 26.0177,
14.5928

260.8217,
282.8691, 232.4431

 14.7970, 16.8369,
8.3906

312.0299,
337.8136, 282.3254

 8.7624, 10.1183,
4.2546

369.5370,

 4.6424, 5.4775,

399.4487, 338.8777

1.7660

433.7082,
468.1586, 402.5186

■ 2.0716, 2.5300,
0.4054

■ 0.6737, 0.8916,
0.0000

■ 86.4757, 95.0509,
68.4325

■ 86.4757, 95.0509,
68.4325

■ 83.3071, 93.0918,
53.8793

■ 90.1492, 97.2235,
85.6085

■ 80.6119, 91.3238,
41.8133

■ 94.3436, 99.6064,
105.5221

■ 78.3656, 89.7406,
32.0955

■ 95.0500, 100.0000,
108.9000

■ 76.5388, 88.3301,
24.5712

■ 75.0986, 87.0794,
19.0670

■ 74.0071, 85.9732,
15.3834

■ 73.2187, 84.9932,
13.2804

■ 72.7308, 84.2416,
12.4269

Harmonies

Analogous

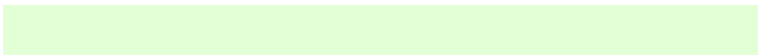
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9744, 95.0509, 68.2346



86.4757, 95.0509, 68.4325



80.3554, 95.0509, 77.1063

Triad

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



86.4757, 95.0509, 68.4325



80.5858, 95.0509, 136.1595



105.1396, 95.0509, 114.1011

Complementary

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



86.4757, 95.0509, 68.4325



63.2250, 62.2096, 103.2831

Split Complementary

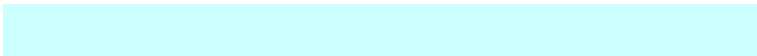
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.1258, 95.0509, 135.3053



86.4757, 95.0509, 68.4325



86.8064, 95.0509, 149.1911

Square

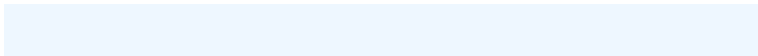
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4757, 95.0509, 68.4325



77.0862, 95.0509, 115.1436



94.3240, 95.0509, 148.8583



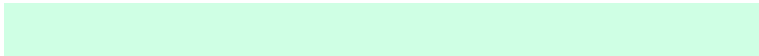
105.0388, 95.0509, 92.6585

Rectangle

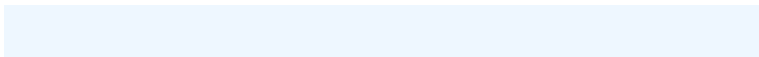
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4757, 95.0509, 68.4325



77.7581, 95.0509, 87.3209



94.3240, 95.0509, 148.8583



104.2175, 95.0509, 121.5507

Sweetspot

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



86.4780, 95.0550, 68.4345



92.4185, 98.5232, 96.3505



72.7542, 66.9133, 65.9996



19.7226, 21.0546, 20.3437



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

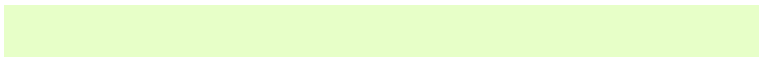
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4780, 95.0550, 68.4345



85.0123, 94.1601, 61.6676



79.1947, 92.7071, 68.3652



19.4715, 20.9112, 19.1543



38.0401, 44.0915, 6.5056



3.7287, 4.3428, 0.6417

Inverse Universe

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



63.2250, 62.2096, 103.2831



57.8794, 55.8355, 102.3345



69.3940, 64.3504, 103.3712



17.0823, 17.5363, 22.7345



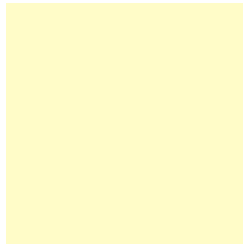
9.5445, 3.9986, 49.7033



0.9560, 0.4427, 4.8483

Previews

White Background



This preview shows how the XYZ color 86.4757, 95.0509, 68.4325 looks on a white background.

Color Contrast Check

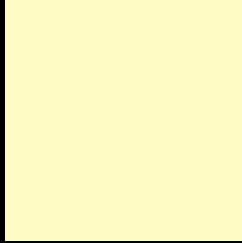
Large Text (above 18pt) WCAG AA × Fail

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 86.4757, 95.0509, 68.4325 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 86.4757, 95.0509, 68.4325

Background



This preview shows how black text looks on a background with the XYZ color 86.4757, 95.0509, 68.4325.



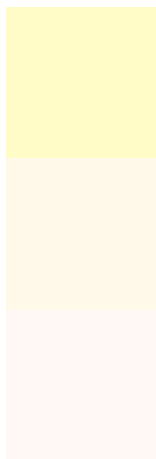
This preview shows how white text looks on a background with the XYZ color 86.4757, 95.0509,

68.4325.

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

86.4757, 95.0509, 68.4325

Protanopia

89.8237, 94.8946, 90.6731

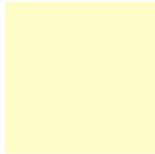
Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

92.5508, 95.0015, 108.0669

Trichromacy



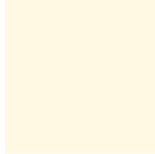
Original Color

86.4757, 95.0509, 68.4325



Protanomaly

88.4768, 94.8517, 82.0516



Deuteranomaly

89.1193, 94.6128, 86.9638



Tritanomaly

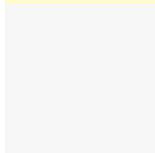
90.1111, 95.0095, 92.1866

Monochromacy



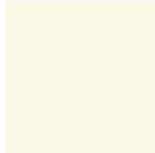
Original Color

86.4757, 95.0509, 68.4325



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.5830, 93.7885, 88.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4757, 95.0509, 68.4325 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(255, 252, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 200)  
}
```

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(255, 252, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 200) }
```

Border

The CSS property to change the border of an element to XYZ 86.4757, 95.0509, 68.4325 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(255, 252, 200) }
```


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

```
.border{ border-color:rgb(255, 252, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4757, 95.0509, 68.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 200) }
```

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

```
.background{ background-color: rgb(255,  
252, 200) }
```

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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