

Converting Colors

XYZ(87.0787, 100.0000,
68.0032)

Have a look what the booklet for
XYZ(87.0787, 100.0000, 68.0032)
contains.

XYZ(85.0200, 95.7370, 67.4241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.0200, 95.7370,
67.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFC6
RGB	249, 255, 198
RGB Percent	98%, 100%, 78%
CMY	0.0235, 0.0000, 0.2235
CMYK	0.02, 0.00, 0.22, 0.00
HSL	66°, 100%, 89%
HSV	66°, 22%, 100%
XYZ	85.0200, 95.7370, 67.4241
YIQ	246.7080, 14.7210, -18.9990

Conversions

Conversions Part 2

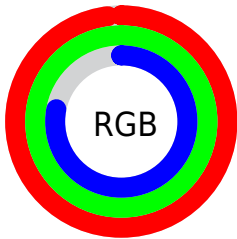
Format	Color
R_{YB}	198, 255, 204
Decimal	16383942
CIE _{Lab}	98.33, -11.03, 26.65
CIE _{LCh}	98, 28.840, 112.489
Yxy	95.7370, 0.3426, 0.3858
Android (android.graphics.Color)	4294574022 (0xFFFF9FFC6)
YUV	246.7080, -24.0130, 2.0101
Hunter-Lab	97.8453, -16.1265, 27.6356

Details

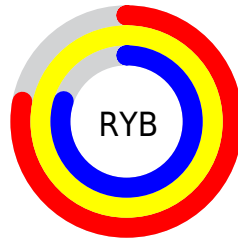
The XYZ color **85.0200, 95.7370, 67.4241** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1468, 60.4467, 102.9469**, and the grayscale version is **88.3505, 92.9516, 101.2243**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9664, 53.6083, 34.2576** is the 20% darker color. If you saturate the color by 10%, you get **81.3719, 94.1680, 53.1706**, and if you desaturate by 10%, it is **89.1779, 97.5115, 84.2890**.

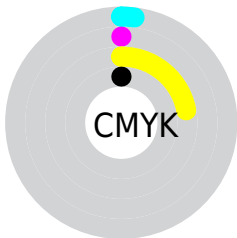
Distribution



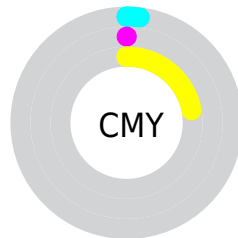
- Red (98%)
- Green (100%)
- Blue (78%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0200, 95.7370, 67.4241 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 85.0200, 95.7370, 67.4241 by changing the saturation by 10% instead.


 85.0200, 95.7370,
67.4241

 85.0200, 95.7370,
67.4241


500.1769,
546.5217, 469.9954

 64.1805, 72.7485,
48.9656

139.3150,
155.2824, 117.1743

 47.0591, 53.7704,
34.2268


173.5012,
192.6081, 149.3031

 33.2905, 38.4181,
22.7891


212.8669,
235.4817, 186.8257

 22.5094, 26.3074,
14.2340

257.7776,
284.2876, 230.1607

 14.3504, 17.0537,
8.1430

308.5986,
339.4102, 279.7267

 8.4481, 10.2728,
4.0975

365.6953,

 4.4372, 5.5802,

401.2338, 335.9421

1.6790

429.4329,
470.1428, 399.2255

■ 1.9523, 2.5915,
0.3463

■ 0.6070, 0.9224,
0.0000

■ 85.0200, 95.7370,
67.4241

■ 85.0200, 95.7370,
67.4241

■ 81.3719, 94.1680,
53.1706

■ 89.1779, 97.5115,
84.2890

■ 78.2075, 92.7941,
41.3937

■ 93.8673, 99.5002,
103.8824

■ 75.5002, 91.6046,
31.9532

■ 95.0500, 100.0000,
108.9000

■ 73.2202, 90.5876,
24.6929

■ 71.3344, 89.7297,
19.4377

■ 69.8042, 89.0157,
15.9855

■ 68.5833, 88.4269,
14.0922

■ 67.8057, 88.0401,
13.4197

Harmonies

Analogous

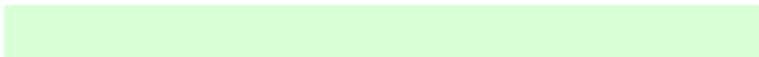
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0995, 95.7370, 65.1416



85.0200, 95.7370, 67.4241



78.9016, 95.7370, 78.7895

Triad

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



85.0200, 95.7370, 67.4241



81.6097, 95.7370, 144.9101



107.7708, 95.7370, 110.3371

Complementary

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



85.0200, 95.7370, 67.4241



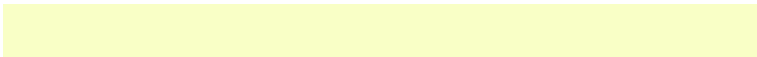
63.1468, 60.4467, 102.9469

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.



104.2653, 95.7370, 134.6571



85.0200, 95.7370, 67.4241



88.9228, 95.7370, 156.5006

Square

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



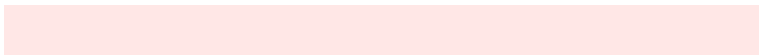
85.0200, 95.7370, 67.4241



77.0179, 95.7370, 122.7402



97.2439, 95.7370, 152.4880



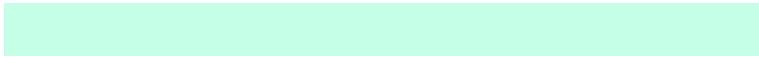
106.5687, 95.7370, 87.7013

Rectangle

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



85.0200, 95.7370, 67.4241



76.5940, 95.7370, 91.0717



97.2439, 95.7370, 152.4880



107.0969, 95.7370, 118.6230

Sweetspot

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



85.0205, 95.7372, 67.4255



91.6201, 98.5486, 94.4286



72.9554, 68.3815, 62.7812



19.5499, 21.0678, 19.9583



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

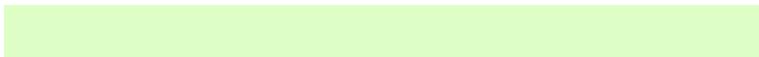
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0205, 95.7372, 67.4255



83.2628, 94.9829, 60.4831



75.7116, 90.9383, 66.9898



19.3618, 20.9879, 19.1749



35.5061, 46.0421, 7.0157



3.5090, 4.5097, 0.6855

Inverse Universe

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



63.1468, 60.4467, 102.9469



57.7342, 53.7907, 101.9475



71.5885, 64.7986, 103.3420



17.1804, 17.4692, 22.7163



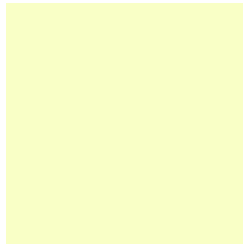
9.7227, 3.9227, 49.6793



1.0023, 0.4106, 4.8397

Previews

White Background



This preview shows how the XYZ color 85.0200, 95.7370, 67.4241 looks on a white background.

Color Contrast Check

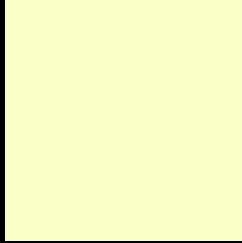
Large Text (above 18pt) WCAG AA × Fail

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 85.0200, 95.7370, 67.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

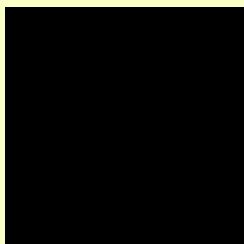
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

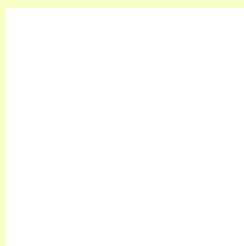
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.0200, 95.7370, 67.4241

Background



This preview shows how black text looks on a background with the XYZ color 85.0200, 95.7370, 67.4241.

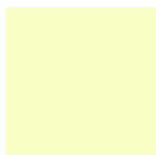


This preview shows how white text looks on a background with the XYZ color 85.0200, 95.7370,

Color Blindness Simulation

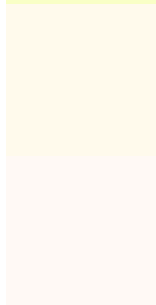
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.0200, 95.7370, 67.4241



Protanopia

90.5659, 95.6873, 93.0530

Deuteranopia

91.5971, 95.6039, 100.0119

Tritanopia

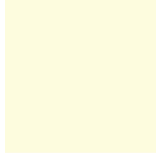
92.4337, 95.8540, 108.2376

Trichromacy



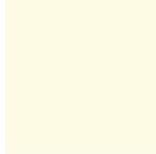
Original Color

85.0200, 95.7370, 67.4241



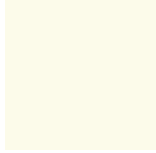
Protanomaly

88.5032, 95.7774, 82.9295



Deuteranomaly

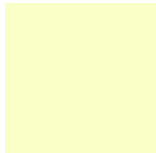
89.0088, 95.4784, 87.1367



Tritanomaly

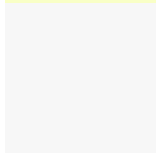
89.4933, 95.6303, 91.5836

Monochromacy



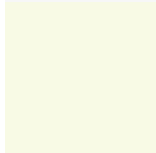
Original Color

85.0200, 95.7370, 67.4241



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.0399, 93.9848, 87.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0200, 95.7370, 67.4241 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(249, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 198)  
}
```

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(249, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 85.0200, 95.7370, 67.4241 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(249, 255, 198) }
```


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

```
.border{ border-color:rgb(249, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0200, 95.7370, 67.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 198) }
```

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

```
.background{ background-color: rgb(249,  
255, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor