

Converting Colors

XYZ(85.6297, 92.6008, 70.4873)

Have a look what the booklet for
XYZ(85.6297, 92.6008, 70.4873)
contains.

XYZ(85.7065, 92.7544, 70.5129)	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(85.7065, 92.7544,
70.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8CC
RGB	255, 248, 204
RGB Percent	100%, 97%, 80%
CMY	0.0000, 0.0274, 0.2000
CMYK	0.00, 0.03, 0.20, 0.00
HSL	52°, 100%, 90%
HSV	52°, 20%, 100%
XYZ	85.7065, 92.7544, 70.5129
YIQ	245.0770, 18.2960, -12.2000

Conversions

Conversions Part 2

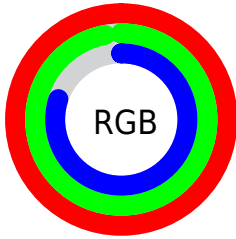
Format	Color
R_{YB}	212, 255, 204
Decimal	16775372
CIE _{Lab}	97.13, -4.57, 22.01
CIE _{LCh}	97, 22.482, 101.720
Yxy	92.7544, 0.3442, 0.3725
Android (android.graphics.Color)	4294965452 (0xFFFFF8CC)
YUV	245.0770, -20.2510, 8.7025
Hunter-Lab	96.3091, -9.6918, 24.0071

Details

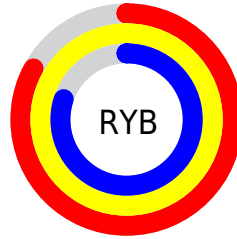
The XYZ color **85.7065, 92.7544, 70.5129** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2456, 66.6441, 103.9798**, and the grayscale version is **87.0024, 91.5333, 99.6798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6434, 51.9070, 36.3621** is the 20% darker color. If you saturate the color by 10%, you get **81.8305, 89.5028, 55.3471**, and if you desaturate by 10%, it is **90.1077, 96.2545, 88.3266**.

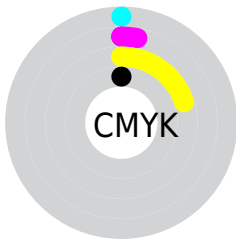
Distribution



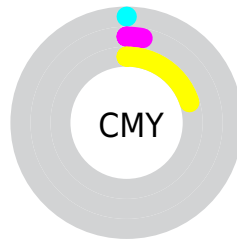
- Red (100%)
- Green (97%)
- Blue (80%)



- Red (83%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7065, 92.7544, 70.5129 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 85.7065, 92.7544, 70.5129 by changing the saturation by 10% instead.


 85.7065, 92.7544,
70.5129

 85.7065, 92.7544,
70.5129


502.4115,
536.9507, 481.1865

 64.7498, 70.2674,
51.4654


140.2688,
151.1585, 121.6279

 47.5221, 51.7446,
36.1998


174.6050,
187.8445, 154.5324

 33.6583, 36.8015,
24.2977


214.1318,
230.0321, 192.8930

 22.7929, 25.0538,
15.3403

259.2145,
278.1060, 237.1283

 14.5605, 16.1172,
8.9093

310.2185,
332.4503, 287.6568

 8.5958, 9.6071,
4.5861

367.5091,

 4.5335, 5.1392,

393.4496, 344.8969

1.9521

431.4516,
461.4883, 409.2673

■ 2.0081, 2.3292,
0.5256

■ 0.6385, 0.7891,
0.0000

■ 85.7065, 92.7544,
70.5129

■ 85.7065, 92.7544,
70.5129

■ 81.8305, 89.5028,
55.3471

■ 90.1077, 96.2545,
88.3266

■ 78.4489, 86.4778,
42.6951

95.0500, 100.0000,
108.9000

■ 75.5372, 83.6726,
32.4198

■ 73.0664, 81.0754,
24.3690

■ 71.0041, 78.6730,
18.3724

■ 69.3133, 76.4505,
14.2354

■ 67.9497, 74.3899,
11.7257

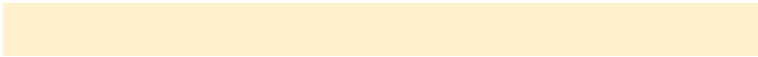
■ 66.8411, 72.4623,
10.4638

■ 66.8411, 72.4621,
10.4637

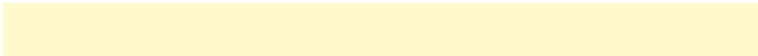
Harmonies

Analogous

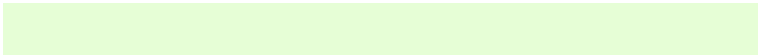
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0408, 92.7544, 71.3302



85.7065, 92.7544, 70.5129



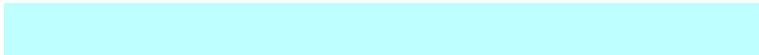
80.2917, 92.7544, 77.1052

Triad

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



85.7065, 92.7544, 70.5129



79.3681, 92.7544, 126.0629



100.2533, 92.7544, 112.3488

Complementary

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



85.7065, 92.7544, 70.5129



66.2456, 66.6441, 103.9798

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.



96.5268, 92.7544, 129.3676



85.7065, 92.7544, 70.5129



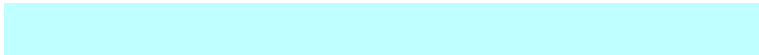
84.3904, 92.7544, 137.9161

Square

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



85.7065, 92.7544, 70.5129



76.7513, 92.7544, 108.2548



90.6604, 92.7544, 139.1933



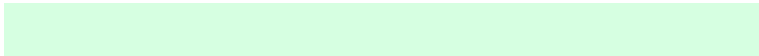
100.6473, 92.7544, 94.0649

Rectangle

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



85.7065, 92.7544, 70.5129



77.8518, 92.7544, 85.3349



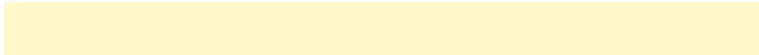
90.6604, 92.7544, 139.1933



99.3408, 92.7544, 118.4599

Sweetspot

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



85.7087, 92.7584, 70.5149



92.0179, 97.7220, 96.2170



74.6731, 69.1826, 71.4751



19.6276, 20.8646, 20.3120



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

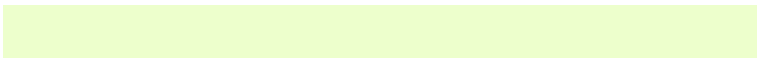
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7087, 92.7584, 70.5149



84.0959, 91.4276, 64.1362



81.6347, 93.9102, 70.9519



19.3363, 20.6408, 19.1093



35.0080, 38.0272, 5.4949



3.4647, 3.8147, 0.5537

Inverse Universe

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



66.2456, 66.6441, 103.9798



61.4126, 60.9945, 103.1441



69.7220, 65.9128, 103.6554



17.2039, 17.7793, 22.7750



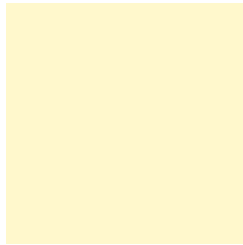
9.8060, 4.5215, 49.7905



1.0132, 0.5571, 4.8674

Previews

White Background



This preview shows how the XYZ color 85.7065, 92.7544, 70.5129 looks on a white background.

Color Contrast Check

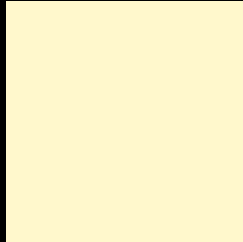
Large Text (above 18pt) WCAG AA × Fail

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 85.7065, 92.7544, 70.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

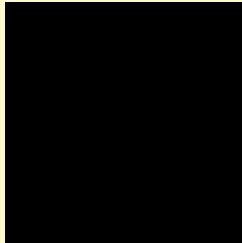
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7065, 92.7544, 70.5129

Background



This preview shows how black text looks on a background with the XYZ color 85.7065, 92.7544, 70.5129.



This preview shows how white text looks on a background with the XYZ color 85.7065, 92.7544,

70.5129.

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

85.7065, 92.7544, 70.5129

Protanopia

87.5151, 92.4992, 83.0536

Deuteranopia

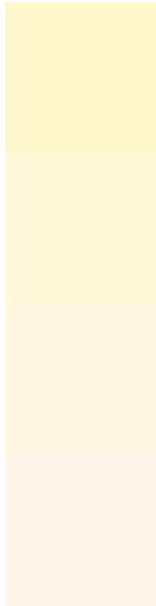
89.4724, 92.7968, 94.8572



Tritanopia

91.0202, 92.4530, 105.9764

Trichromacy



Original Color

85.7065, 92.7544, 70.5129

Protanomaly

86.8954, 92.7394, 78.2864

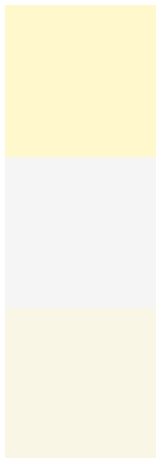
Deuteranomaly

87.9232, 92.6625, 85.2031

Tritanomaly

88.8878, 92.5630, 91.7788

Monochromacy



Original Color

85.7065, 92.7544, 70.5129

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.3056, 91.7644, 88.0264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7065, 92.7544, 70.5129 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, 248, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 204)  
}
```

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, 248, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 204) }
```

Border

The CSS property to change the border of an element to XYZ 85.7065, 92.7544, 70.5129 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, 248, 204) }
```


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

```
.border{ border-color:rgb(255, 248, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 248, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7065, 92.7544, 70.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 204) }
```

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

```
.background{ background-color: rgb(255,  
248, 204) }
```

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