

Converting Colors

XYZ(83.6627, 92.9239, 56.7076)

Have a look what the booklet for
XYZ(83.6627, 92.9239, 56.7076)
contains.

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Color

**XYZ(83.6638, 92.9265,
56.7071)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAB4
RGB	255, 250, 180
RGB Percent	100%, 98%, 71%
CMY	0.0000, 0.0196, 0.2941
CMYK	0.00, 0.02, 0.29, 0.00
HSL	56°, 100%, 85%
HSV	56°, 29%, 100%
XYZ	83.6638, 92.9265, 56.7071
YIQ	243.5150, 25.4500, -20.7100

Conversions

Conversions Part 2

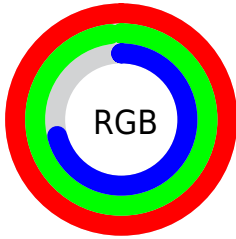
Format	Color
RYB	185, 255, 180
Decimal	16775860
CIELab	97.20, -8.74, 34.26
CIELCh	97, 35.353, 104.307
Yxy	92.9265, 0.3586, 0.3983
Android (android.graphics.Color)	4294965940 (0xFFFFFAB4)
YUV	243.5150, -31.3129, 10.0723
Hunter-Lab	96.3984, -13.7777, 32.6011

Details

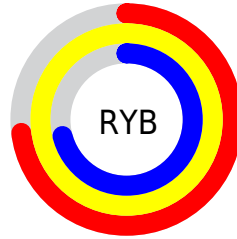
The XYZ color **83.6638, 92.9265, 56.7071** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.2211, 51.6198, 101.7136**, and the grayscale version is **85.8315, 90.3014, 98.3382**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **46.1485, 51.9862, 27.6807** is the 20% darker color. If you saturate the color by 10%, you get **80.7771, 90.9347, 44.0864**, and if you desaturate by 10%, it is **87.0378, 95.1274, 71.8501**.

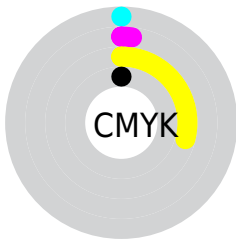
Distribution



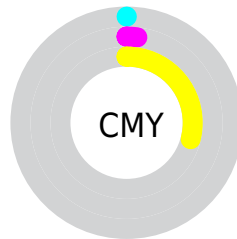
- Red (100%)
- Green (98%)
- Blue (71%)



- Red (73%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6638, 92.9265, 56.7071 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 83.6638, 92.9265, 56.7071 by changing the saturation by 10% instead.


 83.6638, 92.9265,
56.7071

 83.6638, 92.9265,
56.7071


495.7467,
537.5054, 429.8138

 63.0567, 70.4104,
40.3623


 137.4285,
151.3968, 101.5338

 46.1459, 51.8612,
27.5052


171.3167,
188.1199, 130.8528

 32.5661, 36.8944,
17.7172

210.3628,
230.3474, 165.3336

 21.9519, 25.1258,
10.5798

254.9319,
278.4637, 205.3947

 13.9379, 16.1708,
5.6745

305.3895,
332.8533, 251.4548

 8.1589, 9.6451,
2.5826

362.1009,

 4.2495, 5.1643,

393.9005, 303.9323

0.8835

425.4315,
461.9897, 363.2458

■ 1.8442, 2.3440,
0.0000

■ 0.5441, 0.7968,
0.0000

■ 83.6638, 92.9265,
56.7071

■ 83.6638, 92.9265,
56.7071

■ 80.7771, 90.9347,
44.0864

■ 87.0378, 95.1274,
71.8501

■ 78.3445, 89.1288,
33.8441

■ 90.9165, 97.5344,
89.6373

■ 76.3396, 87.5016,
25.8306

95.0500, 100.0000,
108.9000

■ 74.7303, 86.0402,
19.8769

■ 73.4799, 84.7298,
15.7902

■ 72.5448, 83.5531,
13.3409

■ 71.8582, 82.4833,
12.1767

■ 71.8208, 82.4217,
12.1236

Harmonies

Analogous

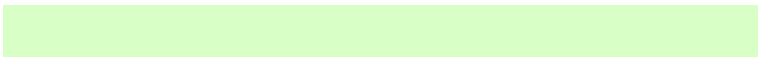
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6191, 92.9265, 56.9413



83.6638, 92.9265, 56.7071



75.5806, 92.9265, 66.7145

Triad

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



83.6638, 92.9265, 56.7071



75.2852, 92.9265, 144.6523



108.1263, 92.9265, 116.7935

Complementary

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



83.6638, 92.9265, 56.7071



54.2211, 51.6198, 101.7136

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.



102.4245, 92.9265, 145.8483



83.6638, 92.9265, 56.7071



83.2322, 92.9265, 163.8833

Square

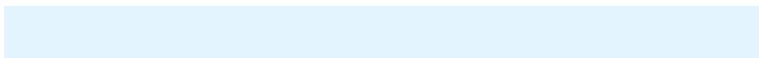
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6638, 92.9265, 56.7071



70.9961, 92.9265, 115.3864



93.1538, 92.9265, 164.3583



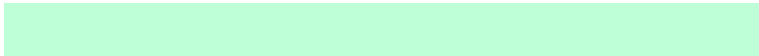
108.2638, 92.9265, 88.1925

Rectangle

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



83.6638, 92.9265, 56.7071



72.1282, 92.9265, 79.1664



93.1538, 92.9265, 164.3583



106.7787, 92.9265, 126.9400

Sweetspot

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



83.6661, 92.9307, 56.7090



91.0871, 97.6380, 90.4264



66.3189, 57.4064, 53.4853



19.3680, 20.8204, 18.7613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

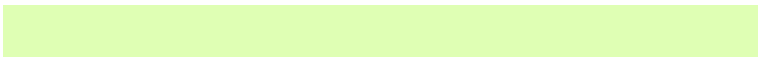
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6661, 92.9307, 56.7090



81.9935, 91.7910, 49.3522



74.2764, 90.4242, 56.7202



19.4516, 20.8713, 19.1477



37.5721, 43.1554, 6.3496



3.6882, 4.2618, 0.6282

Inverse Universe

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



54.2211, 51.6198, 101.7136



48.4176, 44.6881, 100.6815



61.6679, 53.9352, 101.7680



17.1001, 17.5718, 22.7404



9.5721, 4.0537, 49.7125



0.9644, 0.4595, 4.8511

Previews

White Background



This preview shows how the XYZ color 83.6638, 92.9265, 56.7071 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 83.6638, 92.9265, 56.7071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

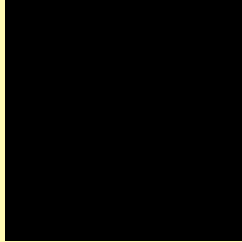
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6638, 92.9265, 56.7071

Background



This preview shows how black text looks on a background with the XYZ color 83.6638, 92.9265, 56.7071.

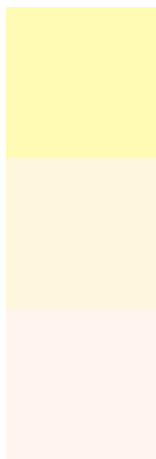


This preview shows how white text looks on a background with the XYZ color 83.6638, 92.9265,

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

83.6638, 92.9265, 56.7071

Protanopia

87.5519, 93.0020, 81.7433

Deuteranopia

89.3250, 92.7379, 94.0812



Tritanopia

91.1614, 92.9896, 105.2395

Trichromacy



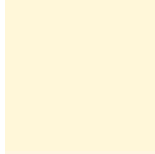
Original Color

83.6638, 92.9265, 56.7071



Protanomaly

85.9480, 92.8510, 71.7846



Deuteranomaly

87.0251, 92.7913, 78.9694



Tritanomaly

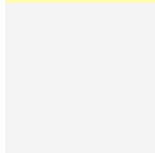
87.9232, 92.6625, 85.2031

Monochromacy



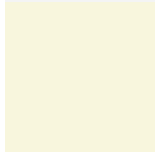
Original Color

83.6638, 92.9265, 56.7071



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.7183, 91.0885, 81.5233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6638, 92.9265, 56.7071 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, 250, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 180)  
}
```

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, 250, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 180) }
```

Border

The CSS property to change the border of an element to XYZ 83.6638, 92.9265, 56.7071 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, 250, 180) }
```


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

```
.border{ border-color:rgb(255, 250, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6638, 92.9265, 56.7071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 180) }
```

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

```
.background{ background-color: rgb(255,  
250, 180) }
```

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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