

Converting Colors

XYZ(98.7458, 98.4516, 65.2823)

Have a look what the booklet for
XYZ(98.7458, 98.4516, 65.2823)
contains.

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Color

**XYZ(83.7427, 90.5049,
64.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C3
RGB	255, 245, 195
RGB Percent	100%, 96%, 76%
CMY	0.0000, 0.0392, 0.2353
CMYK	0.00, 0.04, 0.24, 0.00
HSL	50°, 100%, 88%
HSV	50°, 24%, 100%
XYZ	83.7427, 90.5049, 64.6852
YIQ	242.2900, 22.0100, -13.4300

Conversions

Conversions Part 2

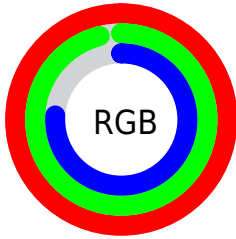
Format	Color
R _Y B	207, 255, 195
Decimal	16774595
CIE Lab	96.21, -4.31, 25.33
CIE LCh	96, 25.693, 99.658
Yxy	90.5049, 0.3505, 0.3788
Android (android.graphics.Color)	4294964675 (0xFFFFF5C3)
YUV	242.2900, -23.3140, 11.1467
Hunter-Lab	95.1341, -9.3582, 26.2804

Details

The XYZ color **83.7427, 90.5049, 64.6852** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.3865, 62.4830, 103.3800**, and the grayscale version is **84.7963, 89.2124, 97.1523**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **46.2940, 50.3240, 32.4729** is the 20% darker color. If you saturate the color by 10%, you get **79.8326, 86.9114, 50.3516**, and if you desaturate by 10%, it is **88.1791, 94.3623, 81.6255**.

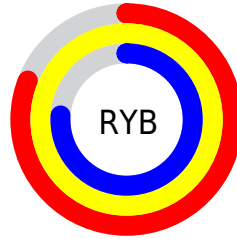
Distribution



Red (100%)

Green (96%)

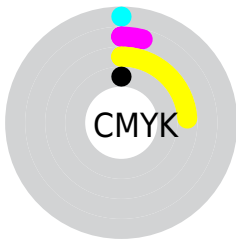
Blue (76%)



Red (81%)

Yellow (100%)

Blue (76%)

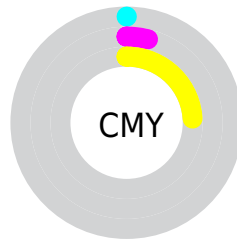


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7427, 90.5049, 64.6852 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 83.7427, 90.5049, 64.6852 by changing the saturation by 10% instead.


 83.7427, 90.5049,
64.6852

 83.7427, 90.5049,
64.6852


496.0050,
529.6719, 459.9351

 63.1220, 68.3995,
46.7561


137.5383,
148.0395, 113.2061

 46.1989, 50.2228,
32.4900


171.4440,
184.2375, 144.6350

 32.6081, 35.5905,
21.4681


210.5086,
225.9018, 181.4009

 21.9842, 24.1181,
13.2720

255.0977,
273.4168, 223.9225

 13.9618, 15.4212,
7.4832

305.5765,
327.1670, 272.6181

 8.1757, 9.1155,
3.6831

362.3104,

 4.2603, 4.8166,

387.5366, 327.9064

1.4532

425.6648,
454.9101, 390.2058

■ 1.8504, 2.1401,
0.1827

■ 0.5478, 0.6870,
0.0000

■ 83.7427, 90.5049,
64.6852

■ 83.7427, 90.5049,
64.6852

■ 79.8326, 86.9114,
50.3516

■ 88.1791, 94.3623,
81.6255

■ 76.4171, 83.5595,
38.4874

■ 93.1586, 98.4814,
101.2892

■ 73.4709, 80.4419,
28.9509

■ 95.0500, 100.0000,
108.9000

■ 70.9638, 77.5462,
21.5841

■ 68.8619, 74.8586,
16.2092

■ 67.1258, 72.3628,
12.6202

■ 65.7076, 70.0396,
10.5659

■ 64.9151, 68.6101,
9.8217

Harmonies

Analogous

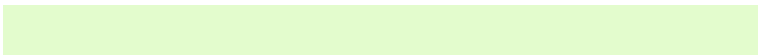
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8764, 90.5049, 66.1249



83.7427, 90.5049, 64.6852



77.5662, 90.5049, 71.3030

Triad

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



83.7427, 90.5049, 64.6852



75.8937, 90.5049, 125.7854



99.5273, 90.5049, 112.8327

Complementary

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



83.7427, 90.5049, 64.6852



62.3865, 62.4830, 103.3800

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.



95.0714, 90.5049, 131.9669



83.7427, 90.5049, 64.6852



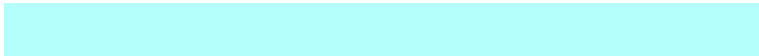
81.3440, 90.5049, 140.1323

Square

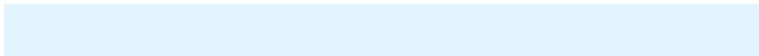
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7427, 90.5049, 64.6852



73.2027, 90.5049, 105.2791



88.3427, 90.5049, 142.5387



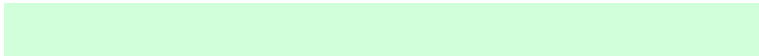
100.2572, 90.5049, 92.1033

Rectangle

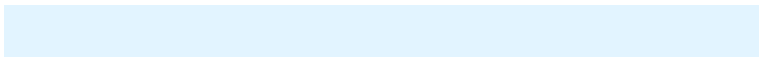
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7427, 90.5049, 64.6852



74.7250, 90.5049, 80.0116



88.3427, 90.5049, 142.5387



98.4043, 90.5049, 119.7385

Sweetspot

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



83.7449, 90.5089, 64.6871



91.3668, 97.0208, 94.1471



71.7752, 64.6990, 66.4639



19.4910, 20.7128, 19.8929



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.



83.7449, 90.5089, 64.6871



81.9325, 88.8693, 57.9631



79.8717, 93.1225, 65.3957



19.2885, 20.5453, 19.0933



34.0148, 36.0409, 5.1638



3.3772, 3.6398, 0.5246

Inverse Universe

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



62.3865, 62.4830, 103.3800



57.3472, 56.6125, 102.5125



65.5903, 60.6984, 102.8667



17.2474, 17.8665, 22.7895



9.9442, 4.7979, 49.8366



1.0337, 0.5980, 4.8742

Previews

White Background



This preview shows how the XYZ color 83.7427, 90.5049, 64.6852 looks on a white background.

Color Contrast Check

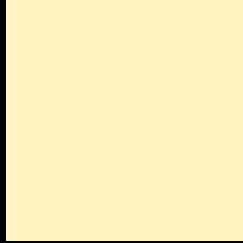
Large Text (above 18pt) WCAG AA × Fail

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 83.7427, 90.5049, 64.6852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

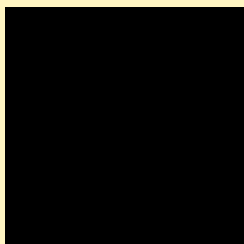
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7427, 90.5049, 64.6852

Background



This preview shows how black text looks on a background with the XYZ color 83.7427, 90.5049, 64.6852.



This preview shows how white text looks on a background with the XYZ color 83.7427, 90.5049,

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

83.7427, 90.5049, 64.6852

Protanopia

85.2235, 90.6145, 73.9714

Deuteranopia

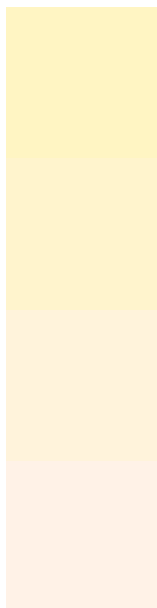
87.7001, 90.6475, 89.9652



Tritanopia

89.8127, 90.5452, 104.0101

Trichromacy



Original Color

83.7427, 90.5049, 64.6852

Protanomaly

84.6101, 90.3691, 70.7412

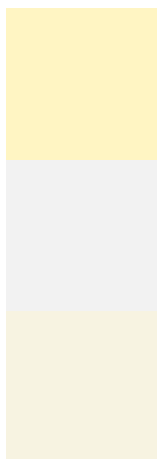
Deuteranomaly

86.0768, 90.4757, 79.9446

Tritanomaly

87.4159, 90.5338, 88.4688

Monochromacy



Original Color

83.7427, 90.5049, 64.6852

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9990, 89.3116, 84.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7427, 90.5049, 64.6852 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, 245, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 195)  
}
```

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, 245, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 195) }
```

Border

The CSS property to change the border of an element to XYZ 83.7427, 90.5049, 64.6852 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, 245, 195) }
```


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

```
.border{ border-color:rgb(255, 245, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7427, 90.5049, 64.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 195) }
```

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

```
.background{ background-color: rgb(255,  
245, 195) }
```

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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