

Converting Colors

XYZ(96.6455, 100.0000,
84.9688)

Have a look what the booklet for
XYZ(96.6455, 100.0000, 84.9688)
contains.

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Color

**XYZ(89.5049, 96.2626,
84.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCE0
RGB	255, 252, 224
RGB Percent	100%, 99%, 88%
CMY	0.0000, 0.0117, 0.1216
CMYK	0.00, 0.01, 0.12, 0.00
HSL	54°, 100%, 94%
HSV	54°, 12%, 100%
XYZ	89.5049, 96.2626, 84.3841
YIQ	249.7050, 10.7760, -8.0720

Conversions

Conversions Part 2

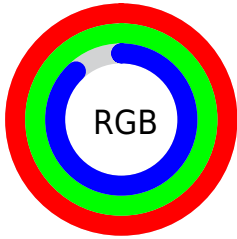
Format	Color
RYB	227, 255, 224
Decimal	16776416
CIELab	98.54, -3.61, 13.77
CIELCh	99, 14.232, 104.674
Yxy	96.2626, 0.3313, 0.3563
Android (android.graphics.Color)	4294966496 (0xFFFFFCE0)
YUV	249.7050, -12.6726, 4.6437
Hunter-Lab	98.1135, -8.8605, 17.6861

Details

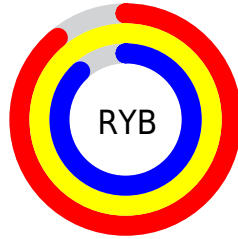
The XYZ color 89.5049, 96.2626, 84.3841 is a light color, and the websafe version is hex FFFFC0. A complement of this color would be 76.2589, 78.0034, 105.6446, and the grayscale version is 90.7199, 95.4444, 103.9389.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9652, 53.9006, 45.3065 is the 20% darker color. If you saturate the color by 10%, you get 85.5350, 93.4483, 67.2593, and if you desaturate by 10%, it is 94.0081, 99.3126, 104.2480.

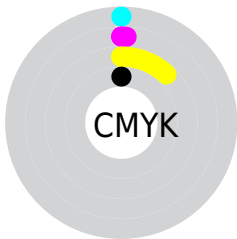
Distribution



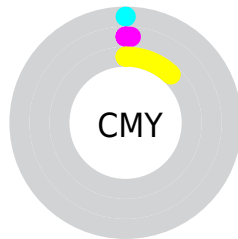
- Red (100%)
- Green (99%)
- Blue (88%)



- Red (89%)
- Yellow (100%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 89.5049, 96.2626, 84.3841 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 89.5049, 96.2626, 84.3841 by changing the saturation by 10% instead.

89.5049, 96.2626,
84.3841

89.5049, 96.2626,
84.3841

514.6809,
548.1992, 529.6792

67.9050, 73.1863,
62.7854

145.5323,
156.0078, 141.3789

50.0938, 54.1283,
45.2277

180.6906,
193.4454, 177.6120

35.7061, 38.7042,
31.2926

221.0990,
236.4390, 219.5603

24.3763, 26.5297,
20.5614

267.1229,
285.3729, 267.6424

15.7393, 17.2203,
12.6157

319.1277,
340.6314, 322.2768

9.4295, 10.3917,
7.0368

377.4788,

5.0817, 5.6594,

402.5991, 383.8821

3.4064

442.5414,
471.6602, 452.8767

■ 2.3305, 2.6391,
1.3057

■ 0.8102, 0.9464,
0.0664

■ 89.5049, 96.2626,
84.3841

■ 89.5049, 96.2626,
84.3841

■ 85.5350, 93.4483,
67.2593

■ 94.0081, 99.3126,
104.2480

■ 82.0685, 90.8481,
52.7461

95.0500, 100.0000,
108.9000

■ 79.0829, 88.4563,
40.7164

■ 76.5513, 86.2619,
31.0285

■ 74.4442, 84.2531,
23.5267

■ 72.7282, 82.4165,
18.0363

■ 71.3651, 80.7367,
14.3560

■ 70.3086, 79.1952,
12.2425

■ 69.6406, 78.0612,
11.3969

Harmonies

Analogous

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



93.6021, 96.2626, 84.4419



89.5049, 96.2626, 84.3841



86.0435, 96.2626, 89.5103

Triad

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



89.5049, 96.2626, 84.3841



85.9824, 96.2626, 121.5671



99.3402, 96.2626, 110.9182

Complementary

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



89.5049, 96.2626, 84.3841



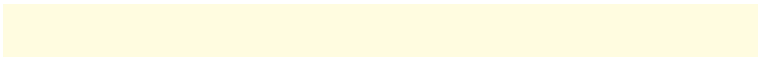
76.2589, 78.0034, 105.6446

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.



97.1714, 96.2626, 121.7687



89.5049, 96.2626, 84.3841



89.4192, 96.2626, 128.2235

Square

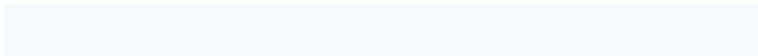
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



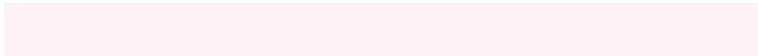
89.5049, 96.2626, 84.3841



84.0515, 96.2626, 110.6595



93.5138, 96.2626, 128.2999



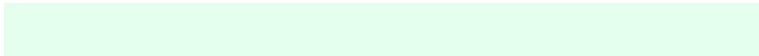
99.3648, 96.2626, 99.1773

Rectangle

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



89.5049, 96.2626, 84.3841



84.5272, 96.2626, 95.4154



93.5138, 96.2626, 128.2999



98.8349, 96.2626, 114.8095

Sweetspot

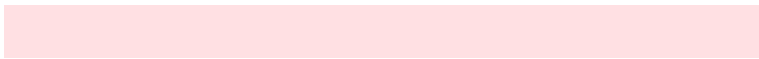
The Sweet Spot groups the original color and five complimentary colors.



89.5072, 96.2667, 84.3861



93.1374, 98.7334, 100.3748



81.7753, 80.1240, 83.9021



19.8604, 21.0829, 21.1520



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.



89.5072, 96.2667, 84.3861



88.3247, 95.4424, 79.2423



86.0393, 95.8856, 84.4954



19.4024, 20.7731, 19.1313



36.4501, 40.9114, 5.9756



3.5908, 4.0669, 0.5957

Inverse Universe

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



76.2589, 78.0034, 105.6446



72.3009, 73.3533, 104.9557



79.4316, 78.4339, 105.5605



17.1441, 17.6598, 22.7550



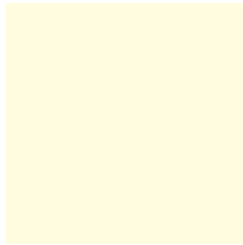
9.6555, 4.2206, 49.7403



0.9851, 0.5010, 4.8580

Previews

White Background



This preview shows how the XYZ color 89.5049, 96.2626, 84.3841 looks on a white background.

Color Contrast Check

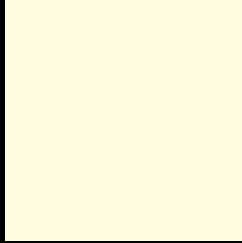
Large Text (above 18pt) WCAG AA × Fail

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 89.5049, 96.2626, 84.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

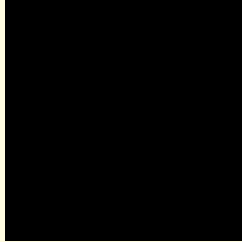
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.5049, 96.2626, 84.3841

Background



This preview shows how black text looks on a background with the XYZ color 89.5049, 96.2626, 84.3841.

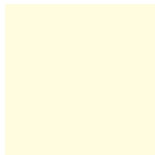


This preview shows how white text looks on a background with the XYZ color 89.5049, 96.2626, 84.3841.

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

89.5049, 96.2626, 84.3841



Protanopia

91.3028, 95.9821, 96.9333

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

92.7987, 96.0422, 108.2547

Trichromacy



Original Color

89.5049, 96.2626, 84.3841

Protanomaly

90.7326, 96.2525, 92.3937

Deuteranomaly

91.3172, 96.4864, 95.4722

Tritanomaly

91.3878, 95.9737, 99.2961

Monochromacy



Original Color

89.5049, 96.2626, 84.3841



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.5192, 96.0407, 96.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.5049, 96.2626, 84.3841 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 224) }
```

Border

The CSS property to change the border of an element to XYZ 89.5049, 96.2626, 84.3841 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, 224) }
```


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

```
.border{ border-color:rgb(255, 252, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 89.5049, 96.2626, 84.3841 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
252, 224) }
```

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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