

Converting Colors

XYZ(100.7747, 100.0000,
49.4392)

Have a look what the booklet for
XYZ(100.7747, 100.0000, 49.4392)
contains.

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Color

**XYZ(80.9873, 89.8881,
48.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A5
RGB	255, 246, 165
RGB Percent	100%, 96%, 65%
CMY	0.0000, 0.0353, 0.3529
CMYK	0.00, 0.04, 0.35, 0.00
HSL	54°, 100%, 82%
HSV	54°, 35%, 100%
XYZ	80.9873, 89.8881, 48.6790
YIQ	239.4570, 31.3650, -23.2830

Conversions

Conversions Part 2

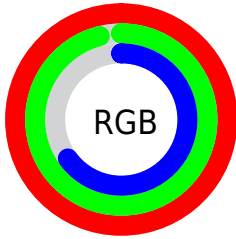
Format	Color
R_{YB}	175, 255, 165
Decimal	16774821
CIE _{Lab}	95.95, -8.53, 40.09
CIE _{LCh}	96, 40.985, 102.005
Yxy	89.8881, 0.3689, 0.4094
Android (android.graphics.Color)	4294964901 (0xFFFFF6A5)
YUV	239.4570, -36.7073, 13.6312
Hunter-Lab	94.8093, -13.4394, 35.9246

Details

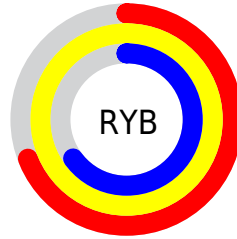
The XYZ color **80.9873, 89.8881, 48.6790** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.7029, 45.4902, 100.8213**, and the grayscale version is **82.6624, 86.9673, 94.7074**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **44.3640, 49.8671, 22.6163** is the 20% darker color. If you saturate the color by 10%, you get **78.1249, 87.5146, 37.3935**, and if you desaturate by 10%, it is **84.3275, 92.4761, 62.4089**.

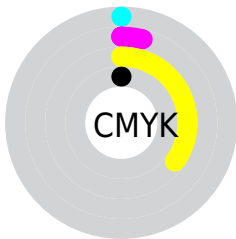
Distribution



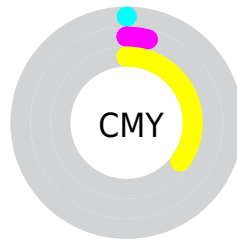
- Red (100%)
- Green (96%)
- Blue (65%)



- Red (69%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (4%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9873, 89.8881, 48.6790 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 80.9873, 89.8881, 48.6790 by changing the saturation by 10% instead.


 80.9873, 89.8881,
48.6790


 80.9873, 89.8881,
48.6790


486.9399,
527.6668, 398.0633

 60.8424, 67.8878,
34.0011


 133.6962,
147.1830, 89.5906

 44.3500, 49.8065,
22.6171


 166.9909,
183.2463, 116.6613

 31.1449, 35.2597,
14.1084

205.3995,
224.7662, 148.7001

 20.8616, 23.8630,
8.0565

249.2875,
272.1270, 186.1254

 13.1347, 15.2320,
4.0428

299.0202,
325.7130, 229.3559

 7.5990, 8.9824,
1.6489

354.9629,

 3.8891, 4.7297,

385.9087, 278.8100

0.3253

417.4810,
453.0985, 334.9063

■ 1.6396, 2.0895,
0.0000

■ 0.4180, 0.6587,
0.0000

■ 80.9873, 89.8881,
48.6790

■ 80.9873, 89.8881,
48.6790

■ 78.1249, 87.5146,
37.3935

■ 84.3275, 92.4761,
62.4089

■ 75.7061, 85.3323,
28.4010

■ 88.1644, 95.2767,
78.7110

■ 73.7023, 83.3329,
21.5424

■ 92.5236, 98.3034,
97.7112

■ 72.0791, 81.5025,
16.6356

95.0500, 100.0000,
108.9000

■ 70.7959, 79.8249,
13.4683

■ 69.8031, 78.2801,
11.7785

■ 69.4027, 77.5855,
11.3176

Harmonies

Analogous

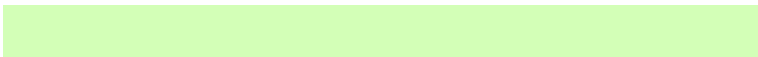
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3391, 89.8881, 49.7451



80.9873, 89.8881, 48.6790



71.6801, 89.8881, 58.4699

Triad

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



80.9873, 89.8881, 48.6790



70.2589, 89.8881, 145.8045



107.8582, 89.8881, 118.4244

Complementary

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



80.9873, 89.8881, 48.6790



48.7029, 45.4902, 100.8213

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.



100.8479, 89.8881, 151.8956



80.9873, 89.8881, 48.6790



78.8857, 89.8881, 169.9508

Square

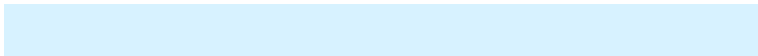
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9873, 89.8881, 48.6790



65.8626, 89.8881, 111.4224



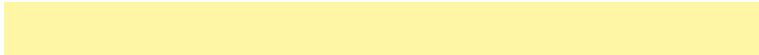
90.0446, 89.8881, 172.3982



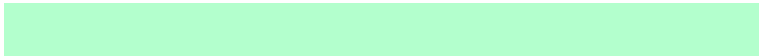
108.5473, 89.8881, 85.4689

Rectangle

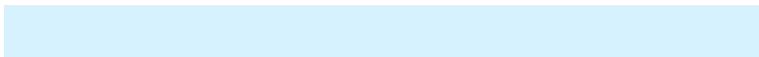
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9873, 89.8881, 48.6790



67.6192, 89.8881, 71.4281



90.0446, 89.8881, 172.3982



106.1359, 89.8881, 130.1511

Sweetspot

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



80.9895, 89.8922, 48.6809



89.9705, 96.5479, 86.5305



62.3358, 51.2273, 46.6480



19.1330, 20.5783, 17.9809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

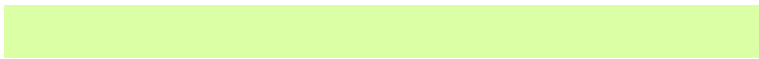
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9895, 89.8922, 48.6809



79.0176, 88.2754, 40.8497



71.7655, 89.2969, 49.0521



19.3970, 20.7621, 19.1295



36.3276, 40.6665, 5.9347



3.5801, 4.0455, 0.5922

Inverse Universe

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



48.7029, 45.4902, 100.8213



42.5746, 38.1664, 99.7307



55.5934, 46.5489, 100.6625



17.1490, 17.6696, 22.7567



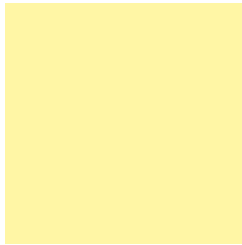
9.6663, 4.2421, 49.7439



0.9875, 0.5056, 4.8588

Previews

White Background



This preview shows how the XYZ color 80.9873, 89.8881, 48.6790 looks on a white background.

Color Contrast Check

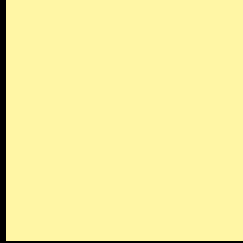
Large Text (above 18pt) WCAG AA × Fail

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 80.9873, 89.8881, 48.6790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

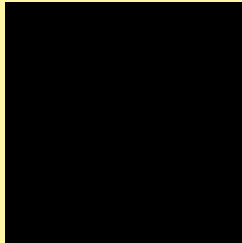
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9873, 89.8881, 48.6790

Background



This preview shows how black text looks on a background with the XYZ color 80.9873, 89.8881, 48.6790.



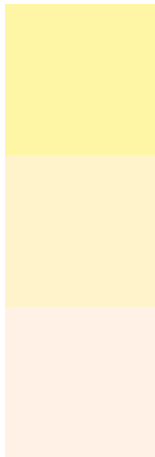
This preview shows how white text looks on a background with the XYZ color 80.9873, 89.8881,

48.6790.

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

80.9873, 89.8881, 48.6790

Protanopia

84.0701, 89.6730, 69.3776

Deuteranopia

86.8382, 89.8277, 86.8904



Tritanopia

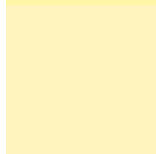
89.2054, 89.8326, 102.2603

Trichromacy



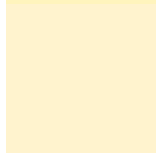
Original Color

80.9873, 89.8881, 48.6790



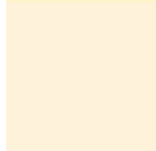
Protanomaly

82.7760, 89.6355, 61.0827



Deuteranomaly

84.4312, 89.8174, 71.2790



Tritanomaly

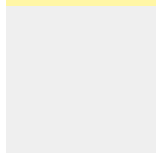
85.6470, 89.8262, 79.1538

Monochromacy



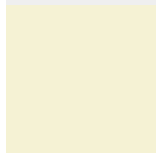
Original Color

80.9873, 89.8881, 48.6790



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

81.2920, 87.6702, 74.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9873, 89.8881, 48.6790 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, 246, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 165)  
}
```

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, 246, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 165) }
```

Border

The CSS property to change the border of an element to XYZ 80.9873, 89.8881, 48.6790 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, 246, 165) }
```


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

```
.border{ border-color:rgb(255, 246, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9873, 89.8881, 48.6790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 165) }
```

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

```
.background{ background-color: rgb(255,  
246, 165) }
```

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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