

Converting Colors

XYZ(81.3153, 88.8739, 53.9373)

Have a look what the booklet for
XYZ(81.3153, 88.8739, 53.9373)
contains.

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Color

**XYZ(81.4272, 89.0960,
53.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4B0
RGB	255, 244, 176
RGB Percent	100%, 96%, 69%
CMY	0.0000, 0.0431, 0.3098
CMYK	0.00, 0.04, 0.31, 0.00
HSL	52°, 100%, 85%
HSV	52°, 31%, 100%
XYZ	81.4272, 89.0960, 53.9799
YIQ	239.5370, 28.3840, -18.8160

Conversions

Conversions Part 2

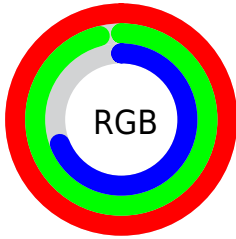
Format	Color
R_{YB}	189, 255, 176
Decimal	16774320
CIE _{Lab}	95.62, -6.25, 34.16
CIE _{LCh}	96, 34.725, 100.363
Yxy	89.0960, 0.3627, 0.3969
Android (android.graphics.Color)	4294964400 (0xFFFFF4B0)
YUV	239.5370, -31.3237, 13.5611
Hunter-Lab	94.3907, -11.1986, 32.1669

Details

The XYZ color **81.4272, 89.0960, 53.9799** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.7245, 51.9893, 101.8111**, and the grayscale version is **82.6859, 86.9920, 94.7343**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **44.5843, 49.2668, 25.8985** is the 20% darker color. If you saturate the color by 10%, you get **78.0806, 86.0684, 41.5643**, and if you desaturate by 10%, it is **85.2726, 92.3623, 68.9021**.

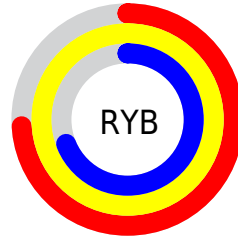
Distribution



Red (100%)

Green (96%)

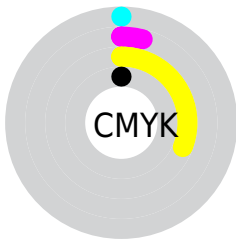
Blue (69%)



Red (74%)

Yellow (100%)

Blue (69%)

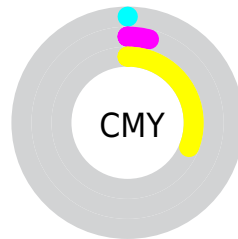


Cyan (0%)

Magenta (4%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4272, 89.0960, 53.9799 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 81.4272, 89.0960, 53.9799 by changing the saturation by 10% instead.


 81.4272, 89.0960,
53.9799

 81.4272, 89.0960,
53.9799

488.3933,
525.0858, 419.2058

 61.2060, 67.2311,
38.1925


 134.3105,
146.0821, 97.5008

 44.6446, 49.2725,
25.8292


167.7032,
181.9720, 126.0715

 31.3777, 34.8357,
16.4713


206.2173,
223.3058, 159.7403

 21.0398, 23.5363,
9.7003

250.2179,
270.4678, 198.9258

 13.2658, 14.9900,
5.0977

300.0704,
323.8424, 244.0466

 7.6901, 8.8124,
2.2450

356.1402,

 3.9474, 4.6190,

383.8140, 295.5212

0.7001

418.7928,
450.7670, 353.7680

■ 1.6724, 2.0255,
0.0000

■ 0.4389, 0.6222,
0.0000

■ 81.4272, 89.0960,
53.9799

■ 81.4272, 89.0960,
53.9799

■ 78.0806, 86.0684,
41.5643

■ 85.2726, 92.3623,
68.9021

■ 75.1998, 83.2566,
31.5095

■ 89.6351, 95.8654,
86.4544

■ 72.7574, 80.6527,
23.6635

■ 94.5396, 99.6186,
106.7590

■ 70.7206, 78.2435,
17.8541

■ 95.0500, 100.0000,
108.9000

■ 69.0520, 76.0137,
13.8836

■ 67.7062, 73.9449,
11.5150

■ 66.7058, 72.1915,
10.4186

Harmonies

Analogous

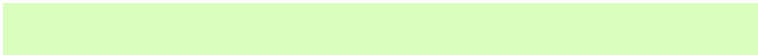
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9957, 89.0960, 55.4801



81.4272, 89.0960, 53.9799



73.3544, 89.0960, 62.2467

Triad

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



81.4272, 89.0960, 53.9799



71.4660, 89.0960, 135.1491



103.1535, 89.0960, 115.7495

Complementary

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



81.4272, 89.0960, 53.9799



53.7245, 51.9893, 101.8111

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.



97.1220, 89.0960, 142.7766



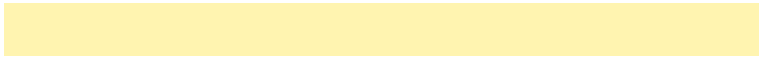
81.4272, 89.0960, 53.9799



78.6694, 89.0960, 155.3516

Square

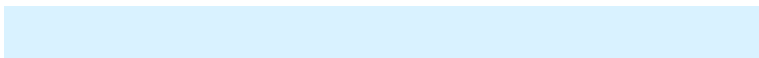
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4272, 89.0960, 53.9799



67.8963, 89.0960, 106.7671



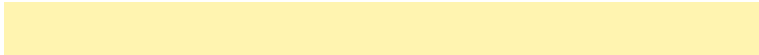
88.0246, 89.0960, 158.3787



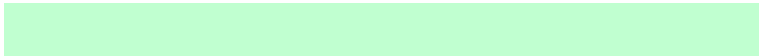
104.0311, 89.0960, 87.8670

Rectangle

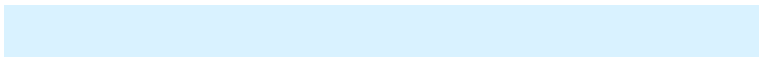
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4272, 89.0960, 53.9799



69.7245, 89.0960, 73.2907



88.0246, 89.0960, 158.3787



101.6413, 89.0960, 125.3642

Sweetspot

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



81.4294, 89.1000, 53.9818



90.5622, 96.5882, 90.2514



65.8270, 55.9361, 54.8206



19.2377, 20.5599, 18.7179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

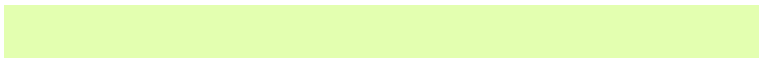
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4294, 89.1000, 53.9818



79.3557, 87.2478, 46.2146



75.3860, 91.0427, 54.6753



19.3330, 20.6342, 19.1082



34.9382, 37.8877, 5.4716



3.4586, 3.8025, 0.5517

Inverse Universe

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



53.7245, 51.9893, 101.8111



47.7711, 44.9479, 100.7657



58.3822, 51.0598, 101.3862



17.2068, 17.7853, 22.7760



9.8147, 4.5389, 49.7934



1.0146, 0.5599, 4.8679

Previews

White Background



This preview shows how the XYZ color 81.4272, 89.0960, 53.9799 looks on a white background.

Color Contrast Check

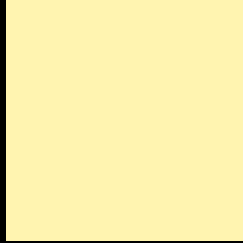
Large Text (above 18pt) WCAG AA × Fail

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 81.4272, 89.0960, 53.9799 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 81.4272, 89.0960, 53.9799

Background



This preview shows how black text looks on a background with the XYZ color 81.4272, 89.0960, 53.9799.

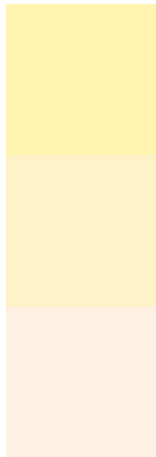


This preview shows how white text looks on a background with the XYZ color 81.4272, 89.0960,

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

81.4272, 89.0960, 53.9799

Protanopia

83.4175, 88.9344, 67.4131

Deuteranopia

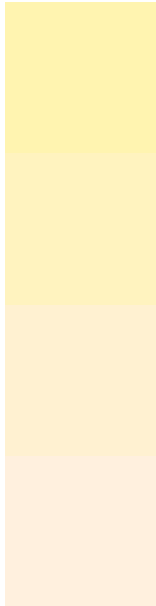
86.4037, 89.1816, 86.0586



Tritanopia

88.7578, 89.1864, 101.3436

Trichromacy



Original Color

81.4272, 89.0960, 53.9799

Protanomaly

82.6946, 89.1228, 62.1342

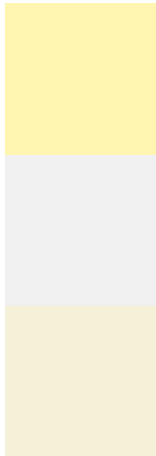
Deuteranomaly

84.2039, 88.7740, 73.0187

Tritanomaly

85.5849, 88.8541, 81.7470

Monochromacy



Original Color

81.4272, 89.0960, 53.9799

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.6359, 87.3328, 78.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4272, 89.0960, 53.9799 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, 244, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 176)  
}
```

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, 244, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 176) }
```

Border

The CSS property to change the border of an element to XYZ 81.4272, 89.0960, 53.9799 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, 244, 176) }
```


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

```
.border{ border-color:rgb(255, 244, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4272, 89.0960, 53.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 176) }
```

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

```
.background{ background-color: rgb(255,  
244, 176) }
```

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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