

Converting Colors

XYZ(84.9913, 89.6392, 51.3780)

Have a look what the booklet for
XYZ(84.9913, 89.6392, 51.3780)
contains.

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Color

**XYZ(80.0460, 87.1109,
51.1233)**

Conversions

Conversions Part 1	
Format	Color
Hex	FFF1AB
RGB	255, 241, 171
RGB Percent	100%, 95%, 67%
CMY	0.0000, 0.0549, 0.3294
CMYK	0.00, 0.05, 0.33, 0.00
HSL	50°, 100%, 84%
HSV	50°, 33%, 100%
XYZ	80.0460, 87.1109, 51.1233
YIQ	237.2060, 30.8140, -18.8020

Conversions

Conversions Part 2

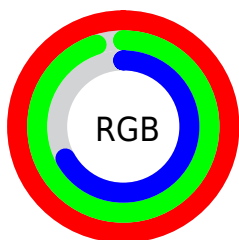
Format	Color
RYB	188, 255, 171
Decimal	16773547
CIELab	94.79, -5.35, 35.56
CIELCh	95, 35.962, 98.551
Yxy	87.1109, 0.3667, 0.3991
Android (android.graphics.Color)	4294963627 (0xFFFFF1AB)
YUV	237.2060, -32.6396, 15.6053
Hunter-Lab	93.3332, -10.2450, 32.8571

Details

The XYZ color **80.0460, 87.1109, 51.1233** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.1932, 50.5744, 101.6187**, and the grayscale version is **80.8838, 85.0961, 92.6696**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **43.6449, 47.8762, 24.0802** is the 20% darker color. If you saturate the color by 10%, you get **76.6040, 83.7485, 39.1192**, and if you desaturate by 10%, it is **83.9906, 90.7275, 65.6102**.

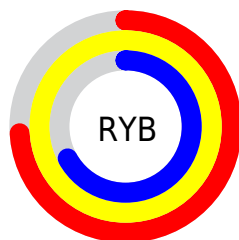
Distribution



Red (100%)

Green (95%)

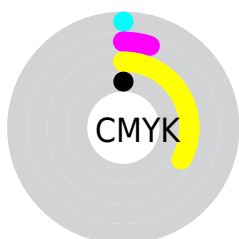
Blue (67%)



Red (74%)

Yellow (100%)

Blue (67%)

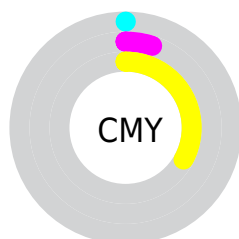


Cyan (0%)

Magenta (5%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0460, 87.1109, 51.1233 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 80.0460, 87.1109, 51.1233 by changing the saturation by 10% instead.


 80.0460, 87.1109,
51.1233

 80.0460, 87.1109,
51.1233


483.8220,
518.5872, 407.9029

 60.0648, 65.5870,
35.9293


 132.3806,
143.3187, 93.2504

 43.7205, 47.9372,
24.0904


165.4647,
178.7714, 121.0206

 30.6478, 33.7772,
15.1878


203.6471,
219.6358, 153.8199

 20.4813, 22.7225,
8.8032

247.2933,
266.2963, 192.0669

 12.8557, 14.3887,
4.5180

296.7685,
319.1373, 236.1802

 7.4056, 8.3915,
1.9136


352.4381,


 3.7656, 4.3465,


378.5432, 286.5783


0.5014


414.6675,
444.8983, 343.6796


 1.5704, 1.8692,
0.0000


 0.3730, 0.5298,
0.0000


 80.0460, 87.1109,
51.1233


 80.0460, 87.1109,
51.1233


 76.6040, 83.7485,
39.1192


 83.9906, 90.7275,
65.6102

 73.6308, 80.6171,
29.4499

 88.4564, 94.5967,
82.7057

 71.0986, 77.7084,
21.9602

 93.4690, 98.7321,
102.5335

 68.9737, 75.0086,
16.4734

95.0500, 100.0000,
108.9000

■ 67.2171, 72.5017,
12.7856

■ 65.7817, 70.1687,
10.6492

■ 64.9134, 68.6067,
9.8211

Harmonies

Analogous

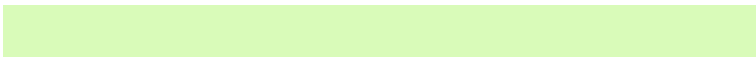
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8267, 87.1109, 53.2141



80.0460, 87.1109, 51.1233



71.6772, 87.1109, 58.8186

Triad

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



80.0460, 87.1109, 51.1233



69.0119, 87.1109, 132.3062



101.4555, 87.1109, 115.8186

Complementary

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



80.0460, 87.1109, 51.1233



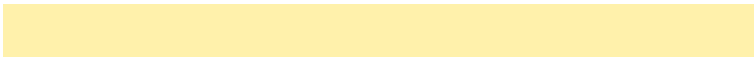
52.1932, 50.5744, 101.6187

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.



95.0097, 87.1109, 143.2170



80.0460, 87.1109, 51.1233



76.1427, 87.1109, 153.9587

Square

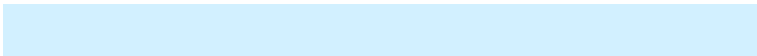
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0460, 87.1109, 51.1233



65.6417, 87.1109, 103.0395



85.6089, 87.1109, 158.3010



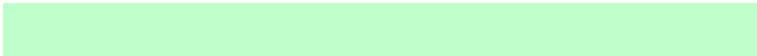
102.7060, 87.1109, 87.1044

Rectangle

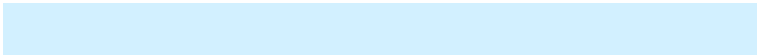
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0460, 87.1109, 51.1233



67.8415, 87.1109, 69.5538



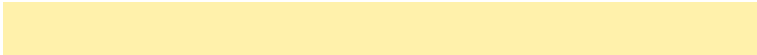
85.6089, 87.1109, 158.3010



99.8015, 87.1109, 125.6353

Sweetspot

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



80.0482, 87.1148, 51.1251



89.8725, 95.7846, 88.2468



64.5605, 53.8896, 52.8990



19.0903, 20.3797, 18.3152



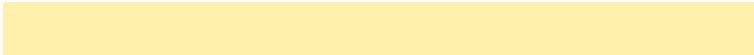
0.0000, 0.0000, 0.0000



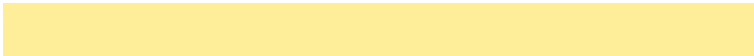
20.3446, 21.4041, 23.3091

Same Dimension

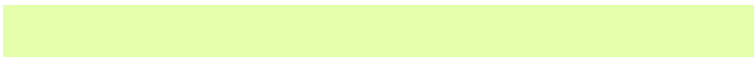
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0482, 87.1148, 51.1251



77.5665, 84.7133, 42.4001



74.7897, 90.7914, 52.1119



19.2885, 20.5452, 19.0933



34.0139, 36.0391, 5.1635



3.3772, 3.6397, 0.5245

Inverse Universe

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



52.1932, 50.5744, 101.6187



45.5602, 42.7389, 100.4559



56.1670, 48.4890, 101.0067



17.2475, 17.8665, 22.7895



9.9443, 4.7982, 49.8366



1.0337, 0.5980, 4.8742

Previews

White Background



This preview shows how the XYZ color 80.0460, 87.1109, 51.1233 looks on a white background.

Color Contrast Check

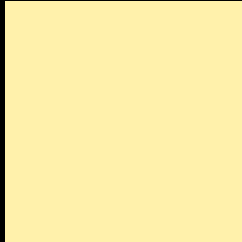
Large Text (above 18pt) WCAG AA × Fail

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 80.0460, 87.1109, 51.1233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

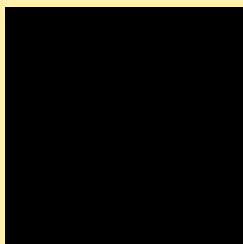
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0460, 87.1109, 51.1233

Background



This preview shows how black text looks on a background with the XYZ color 80.0460, 87.1109, 51.1233.



This preview shows how white text looks on a background with the XYZ color 80.0460, 87.1109,

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

80.0460, 87.1109, 51.1233

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.7090, 87.1023, 81.4550



Tritanopia

87.5829, 87.3305, 99.4291

Trichromacy

	Original Color 80.0460, 87.1109, 51.1233
	Protanomaly 80.7406, 86.9164, 56.2371
	Deuteranomaly 82.5940, 86.7209, 68.8855
	Tritanomaly 84.3104, 86.9428, 79.3558

Monochromacy

	Original Color 80.0460, 87.1109, 51.1233
	Achromatopsia 80.4953, 84.6873, 92.2245
	Achromatomaly 79.8930, 85.1863, 75.1826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0460, 87.1109, 51.1233 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, 241, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 171)  
}
```

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, 241, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 171) }
```

Border

The CSS property to change the border of an element to XYZ 80.0460, 87.1109, 51.1233 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, 241, 171) }
```


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

```
.border{ border-color:rgb(255, 241, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0460, 87.1109, 51.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 171) }
```

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

```
.background{ background-color: rgb(255,  
241, 171) }
```

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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