

Converting Colors

XYZ(85.1270, 89.6500, 52.2600)

Have a look what the booklet for
XYZ(85.1270, 89.6500, 52.2600)
contains.

XYZ(80.2381, 87.1877, 52.1351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.2381, 87.1877,
52.1351)**

Conversions

Conversions Part 1	
Format	Color
Hex	FFF1AD
RGB	255, 241, 173
RGB Percent	100%, 95%, 68%
CMY	0.0000, 0.0549, 0.3216
CMYK	0.00, 0.05, 0.32, 0.00
HSL	50°, 100%, 84%
HSV	50°, 32%, 100%
XYZ	80.2381, 87.1877, 52.1351
YIQ	237.4340, 30.1720, -18.1800

Conversions

Conversions Part 2

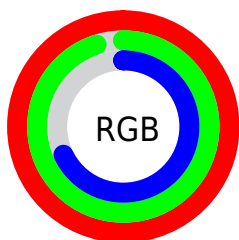
Format	Color
RYB	190, 255, 173
Decimal	16773549
CIELab	94.82, -5.11, 34.60
CIELCh	95, 34.975, 98.401
Yxy	87.1877, 0.3654, 0.3971
Android (android.graphics.Color)	4294963629 (0xFFFFF1AD)
YUV	237.4340, -31.7660, 15.4054
Hunter-Lab	93.3744, -10.0172, 32.2578

Details

The XYZ color **80.2381, 87.1877, 52.1351** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.0536, 51.6434, 101.7797**, and the grayscale version is **81.0537, 85.2748, 92.8642**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **43.7651, 47.9243, 24.7129** is the 20% darker color. If you saturate the color by 10%, you get **76.7303, 83.7510, 39.9323**, and if you desaturate by 10%, it is **84.2520, 90.8822, 66.8319**.

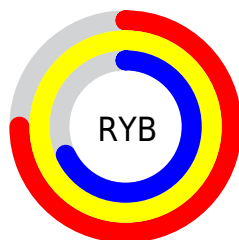
Distribution



Red (100%)

Green (95%)

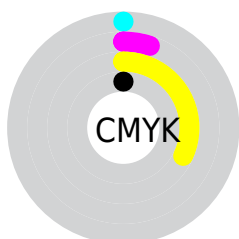
Blue (68%)



Red (75%)

Yellow (100%)

Blue (68%)

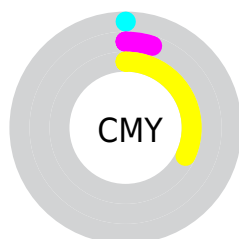


Cyan (0%)

Magenta (5%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2381, 87.1877, 52.1351 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 80.2381, 87.1877, 52.1351 by changing the saturation by 10% instead.


 80.2381, 87.1877,
52.1351

 80.2381, 87.1877,
52.1351

484.4592,
518.8394, 411.9297

 60.2234, 65.6505,
36.7298


 132.6492,
143.4257, 94.7591

 43.8489, 47.9888,
24.7042


165.7764,
178.8954, 122.8148

 30.7491, 33.8180,
15.6398

204.0051,
219.7780, 155.9244

 20.5588, 22.7538,
9.1180

247.7007,
266.4580, 194.5065

 12.9125, 14.4118,
4.7204

297.2285,
319.3198, 238.9795

 7.4449, 8.4077,
2.0283


352.9540,


 3.7907, 4.3569,


378.7477, 289.7620


0.5726


415.2424,
445.1261, 347.2726


 1.5844, 1.8751,
0.0000

 0.3822, 0.5334,
0.0000


 80.2381, 87.1877,
52.1351

 80.2381, 87.1877,
52.1351

 76.7303, 83.7510,
39.9323


 84.2520, 90.8822,
66.8319

 73.6950, 80.5491,
30.0765


 88.7904, 94.8331,
84.1475


 71.1045, 77.5737,
22.4136


 93.8788, 99.0538,
104.2052

 68.9255, 74.8112,
16.7689

95.0500, 100.0000,
108.9000

 67.1196, 72.2457,
12.9409

 65.6402, 69.8584,
10.6863

 64.6543, 68.0885,
9.7348

Harmonies

Analogous

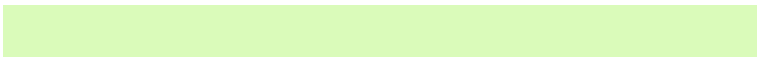
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7522, 87.1877, 54.2425



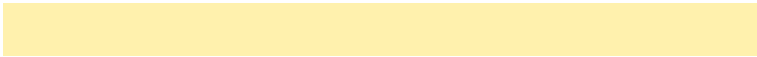
80.2381, 87.1877, 52.1351



72.0687, 87.1877, 59.6581

Triad

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



80.2381, 87.1877, 52.1351



69.4068, 87.1877, 131.1369



100.9726, 87.1877, 115.4448

Complementary

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



80.2381, 87.1877, 52.1351



53.0536, 51.6434, 101.7797

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.



94.6985, 87.1877, 141.9287



80.2381, 87.1877, 52.1351



76.3476, 87.1877, 152.1222

Square

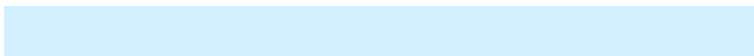
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2381, 87.1877, 52.1351



66.1344, 87.1877, 102.7548



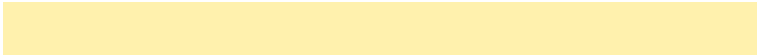
85.5574, 87.1877, 156.4083



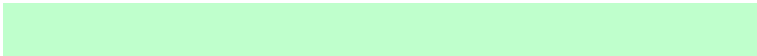
102.2129, 87.1877, 87.5177

Rectangle

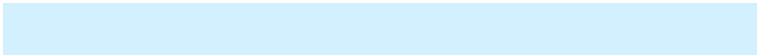
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2381, 87.1877, 52.1351



68.3118, 87.1877, 70.1531



85.5574, 87.1877, 156.4083



99.3606, 87.1877, 124.9519

Sweetspot

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



80.2403, 87.1916, 52.1369



89.8402, 95.7199, 88.2360



65.2649, 54.7804, 54.7307



19.0824, 20.3640, 18.3126



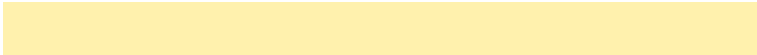
0.0000, 0.0000, 0.0000



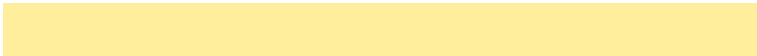
20.3446, 21.4041, 23.3091

Same Dimension

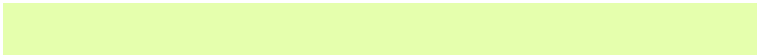
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2403, 87.1916, 52.1369



77.7854, 84.8105, 43.5234



75.6270, 91.2008, 53.1539



19.2819, 20.5320, 19.0911



33.8803, 35.7717, 5.1190



3.3653, 3.6160, 0.5206

Inverse Universe

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



53.0536, 51.6434, 101.7797



46.5254, 43.9472, 100.6382



56.5388, 49.2458, 101.1332



17.2535, 17.8786, 22.7915



9.9654, 4.8403, 49.8436



1.0366, 0.6039, 4.8752

Previews

White Background



This preview shows how the XYZ color 80.2381, 87.1877, 52.1351 looks on a white background.

Color Contrast Check

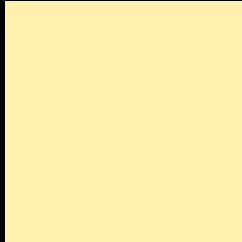
Large Text (above 18pt) WCAG AA × Fail

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 80.2381, 87.1877, 52.1351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

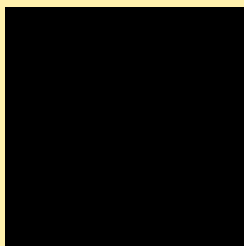
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2381, 87.1877, 52.1351

Background



This preview shows how black text looks on a background with the XYZ color 80.2381, 87.1877, 52.1351.

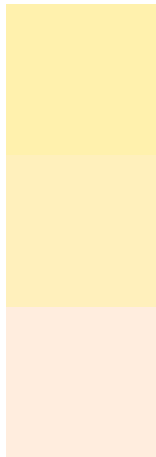


This preview shows how white text looks on a background with the XYZ color 80.2381, 87.1877,

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

80.2381, 87.1877, 52.1351

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.7090, 87.1023, 81.4550



Tritanopia

87.5829, 87.3305, 99.4291

Trichromacy

	Original Color 80.2381, 87.1877, 52.1351
	Protanomaly 80.9473, 86.9991, 57.3259
	Deuteranomaly 82.7136, 86.7687, 69.5153
	Tritanomaly 84.3104, 86.9428, 79.3558

Monochromacy

	Original Color 80.2381, 87.1877, 52.1351
	Achromatopsia 80.4953, 84.6873, 92.2245
	Achromatomaly 80.0204, 85.2372, 75.8532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2381, 87.1877, 52.1351 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, 173) looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 173) }
```

Border

The CSS property to change the border of an element to XYZ 80.2381, 87.1877, 52.1351 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, 173) }
```


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

```
.border{ border-color:rgb(255, 241, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2381, 87.1877, 52.1351 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
241, 173) }
```

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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