

Converting Colors

XYZ(80.3824, 91.8065, 45.1996)

Have a look what the booklet for
XYZ(80.3824, 91.8065, 45.1996)
contains.

XYZ(80.3666, 91.9379, 45.4083)	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(80.3666, 91.9379,
45.4083)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFB9D
RGB	251, 251, 157
RGB Percent	98%, 98%, 62%
CMY	0.0157, 0.0157, 0.3843
CMYK	0.00, 0.00, 0.37, 0.02
HSL	60°, 92%, 80%
HSV	60°, 37%, 98%
XYZ	80.3666, 91.9379, 45.4083
YIQ	240.2840, 30.1740, -29.2340

Conversions

Conversions Part 2

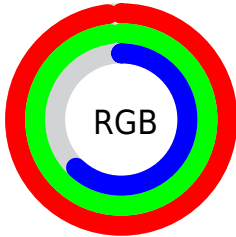
Format	Color
RYB	157, 251, 157
Decimal	16513949
CIELab	96.79, -13.38, 45.05
CIELCh	97, 46.994, 106.541
Yxy	91.9379, 0.3691, 0.4223
Android (android.graphics.Color)	4294704029 (0xFFFFBFB9D)
YUV	240.2840, -41.0590, 9.3979
Hunter-Lab	95.8843, -18.1854, 39.0408

Details

The XYZ color **80.3666, 91.9379, 45.4083** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3775, 38.2494, 96.3688**, and the grayscale version is **83.3441, 87.6845, 95.4884**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **44.0061, 51.3671, 20.6922** is the 20% darker color. If you saturate the color by 10%, you get **78.4403, 91.1706, 35.2581**, and if you desaturate by 10%, it is **82.7377, 92.8897, 57.8808**.

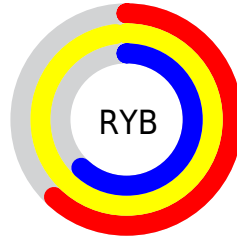
Distribution



Red (98%)

Green (98%)

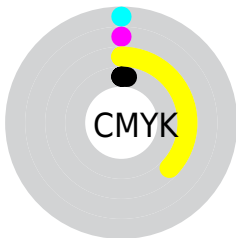
Blue (62%)



Red (62%)

Yellow (98%)

Blue (62%)

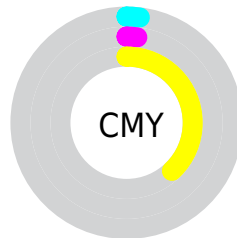


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (2%)



Cyan (2%)


Magenta (2%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3666, 91.9379, 45.4083 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 80.3666, 91.9379, 45.4083 by changing the saturation by 10% instead.


 80.3666, 91.9379,
45.4083

 80.3666, 91.9379,
45.4083


484.8852,
534.3148, 384.6329

 60.3296, 69.5891,
31.4339


 132.8288,
150.0273, 84.6577

 43.9348, 51.1916,
20.6682


 165.9848,
186.5367, 110.7697

 30.8170, 36.3611,
12.6928

204.2444,
228.5350, 141.7647

 20.6106, 24.7132,
7.0891

247.9731,
276.4067, 178.0612

 12.9505, 15.8635,
3.4386

297.5361,
330.5361, 220.0778

 7.4713, 9.4276,
1.3227

353.2989,

 3.8075, 5.0211,

391.3077, 268.2329

0.0803

415.6268,
459.1058, 322.9451

■ 1.5938, 2.2597,
0.0000

■ 0.3884, 0.7522,
0.0000

■ 80.3666, 91.9379,
45.4083

■ 80.3666, 91.9379,
45.4083

■ 78.4403, 91.1706,
35.2581

■ 82.7377, 92.8897,
57.8808

■ 76.9249, 90.5644,
27.2815


■ 85.5716, 94.0233,
72.8006


■ 75.7925, 90.1113,
21.3216


■ 88.8936, 95.3522,
90.2907

■ 75.0088, 89.7978,
17.1981


■ 92.3354, 96.7290,
108.4117

 74.5336, 89.6076,
14.6988

 92.3361, 96.7293,
108.4117

 74.3140, 89.5197,
13.5460

 92.3367, 96.7297,
108.4118

 74.2788, 89.5056,
13.3614

 92.3374, 96.7300,
108.4118

 92.3380, 96.7303,
108.4118

 92.3387, 96.7307,
108.4119

Harmonies

Analogous

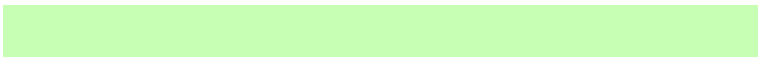
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4155, 91.9379, 44.8144



80.3666, 91.9379, 45.4083



70.2513, 91.9379, 58.0255

Triad

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



80.3666, 91.9379, 45.4083



71.0880, 91.9379, 162.5616



114.4171, 91.9379, 117.9629

Complementary

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



80.3666, 91.9379, 45.4083



43.3775, 38.2494, 96.3688

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.



107.0981, 91.9379, 158.7775



80.3666, 91.9379, 45.4083



81.6183, 91.9379, 188.5683

Square

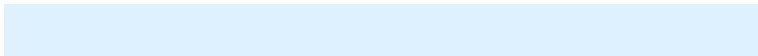
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3666, 91.9379, 45.4083



65.2746, 91.9379, 122.2201



94.7989, 91.9379, 187.0314



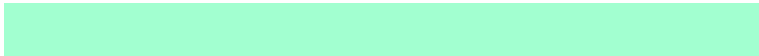
113.9954, 91.9379, 80.8323

Rectangle

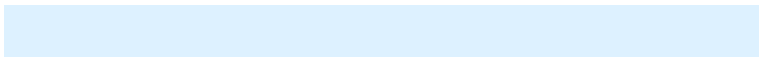
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3666, 91.9379, 45.4083



66.1393, 91.9379, 73.9053



94.7989, 91.9379, 187.0314



112.7515, 91.9379, 131.8624

Sweetspot

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



80.3689, 91.9421, 45.4102



90.8575, 98.3229, 86.8264



57.9295, 47.0597, 37.9297



19.3461, 21.0047, 18.0519



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

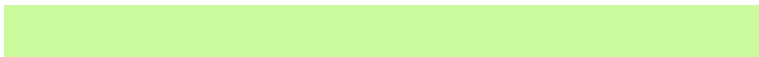
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3689, 91.9421, 45.4102



81.7491, 94.6793, 38.8740



65.4884, 84.2709, 44.7138



18.7273, 20.1907, 18.3726



39.0417, 47.0450, 7.0229



3.6160, 4.3572, 0.6504

Inverse Universe

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



43.3775, 38.2494, 96.3688



38.3234, 31.6472, 98.6964



54.3742, 43.9183, 96.8835



16.2832, 16.6431, 21.7395



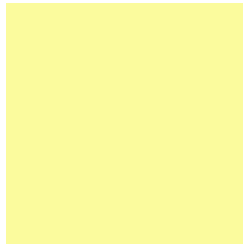
9.1529, 3.6612, 48.1978



0.8478, 0.3391, 4.4639

Previews

White Background



This preview shows how the XYZ color 80.3666, 91.9379, 45.4083 looks on a white background.

Color Contrast Check

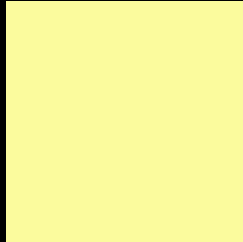
Large Text (above 18pt) WCAG AA × Fail

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 80.3666, 91.9379, 45.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

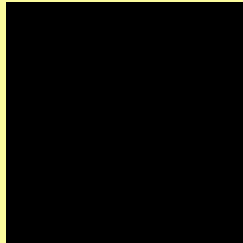
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3666, 91.9379, 45.4083

Background



This preview shows how black text looks on a background with the XYZ color 80.3666, 91.9379, 45.4083.

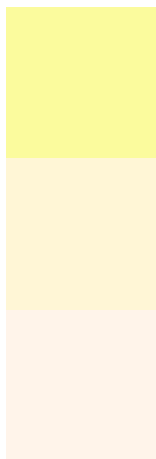


This preview shows how white text looks on a background with the XYZ color 80.3666, 91.9379,

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

80.3666, 91.9379, 45.4083

Protanopia

86.3334, 92.0266, 76.8310

Deuteranopia

88.4420, 91.9019, 90.9193



Tritanopia

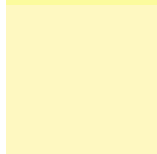
90.5628, 91.7925, 105.0400

Trichromacy



Original Color

80.3666, 91.9379, 45.4083



Protanomaly

84.0661, 92.0559, 63.7899



Deuteranomaly

85.2744, 92.0486, 71.6652



Tritanomaly

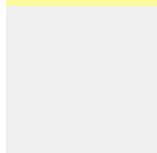
86.0498, 91.3854, 78.7495

Monochromacy



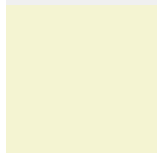
Original Color

80.3666, 91.9379, 45.4083



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.2918, 88.5876, 73.7874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3666, 91.9379, 45.4083 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(251, 251, 157)` looks like.

```
.text, #text, p{  
    color:rgb(251, 251, 157)  
}
```

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(251, 251, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 251, 157) }
```

Border

The CSS property to change the border of an element to XYZ 80.3666, 91.9379, 45.4083 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(251, 251, 157) }
```


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

```
.border{ border-color:rgb(251, 251, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 251, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 251, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 251, 157);  
box-shadow:4px 4px 4px 4px rgb(251, 251,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3666, 91.9379, 45.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 251, 157) }
```

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

```
.background{ background-color: rgb(251,  
251, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor