

Converting Colors

XYZ(80.7610, 90.2888, 45.9730)

Have a look what the booklet for
XYZ(80.7610, 90.2888, 45.9730)
contains.

XYZ(80.7588, 90.2847, 45.9711)	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(80.7588, 90.2847,
45.9711)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF79F
RGB	255, 247, 159
RGB Percent	100%, 97%, 62%
CMY	0.0000, 0.0313, 0.3765
CMYK	0.00, 0.03, 0.38, 0.00
HSL	55°, 100%, 81%
HSV	55°, 38%, 100%
XYZ	80.7588, 90.2847, 45.9711
YIQ	239.3600, 33.0160, -25.6720

Conversions

Conversions Part 2

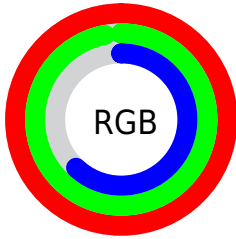
Format	Color
R _Y B	168, 255, 159
Decimal	16775071
CIE Lab	96.11, -9.68, 43.26
CIE LCh	96, 44.332, 102.612
Yxy	90.2847, 0.3721, 0.4160
Android (android.graphics.Color)	4294965151 (0xFFFFF79F)
YUV	239.3600, -39.6175, 13.7163
Hunter-Lab	95.0183, -14.5696, 37.8275

Details

The XYZ color **80.7588, 90.2847, 45.9711** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.1666, 42.2272, 100.3252**, and the grayscale version is **82.6077, 86.9098, 94.6447**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **44.2583, 50.1725, 20.9873** is the 20% darker color. If you saturate the color by 10%, you get **78.1255, 88.2015, 35.2797**, and if you desaturate by 10%, it is **83.8603, 92.5735, 59.0727**.

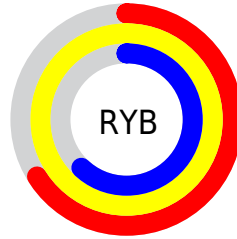
Distribution



Red (100%)

Green (97%)

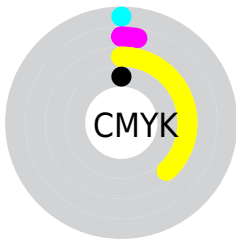
Blue (62%)



Red (66%)

Yellow (100%)

Blue (62%)

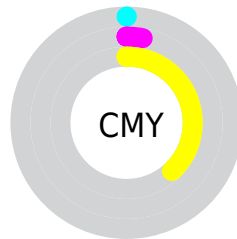


Cyan (0%)

Magenta (3%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7588, 90.2847, 45.9711 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 80.7588, 90.2847, 45.9711 by changing the saturation by 10% instead.


 80.7588, 90.2847,
45.9711


 80.7588, 90.2847,
45.9711


486.1841,
528.9565, 386.9667

 60.6536, 68.2168,
31.8745


 133.3770,
147.7338, 85.5096

 44.1971, 50.0741,
21.0016


 166.6206,
183.8838, 111.7885

 31.0241, 35.4723,
12.9339


204.9745,
225.4966, 142.9654

 20.7691, 24.0269,
7.2529

248.8039,
272.9566, 179.4586

 13.0668, 15.3536,
3.5399

298.4742,
326.6482, 221.6869

 7.5519, 9.0679,
1.3765

354.3507,

 3.8590, 4.7855,

386.9558, 270.0686

0.1233

416.7989,
454.2638, 325.0223

■ 1.6227, 2.1220,
0.0000

■ 0.4071, 0.6769,
0.0000

■ 80.7588, 90.2847,
45.9711

■ 80.7588, 90.2847,
45.9711

■ 78.1255, 88.2015,
35.2797

■ 83.8603, 92.5735,
59.0727

■ 75.9257, 86.3003,
26.8440

■ 87.4495, 95.0659,
74.7149

■ 74.1300, 84.5725,
20.5003

■ 91.5524, 97.7758,
93.0258

■ 72.7027, 83.0038,
16.0607

95.0500, 100.0000,
108.9000

■ 71.6018, 81.5772,
13.3035

■ 70.7716, 80.2707,
11.9361

■ 70.5964, 79.9729,
11.7155

Harmonies

Analogous

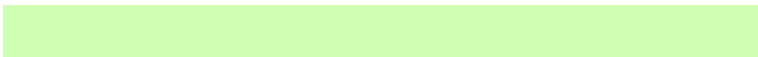
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0656, 90.2847, 46.8555



80.7588, 90.2847, 45.9711



70.7963, 90.2847, 56.4569

Triad

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



80.7588, 90.2847, 45.9711



69.5794, 90.2847, 151.5744



110.3807, 90.2847, 119.9335

Complementary

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



80.7588, 90.2847, 45.9711



46.1666, 42.2272, 100.3252

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.



102.8156, 90.2847, 156.9554



80.7588, 90.2847, 45.9711



78.9472, 90.2847, 178.0066

Square

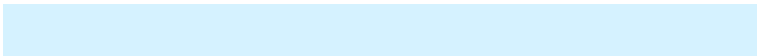
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7588, 90.2847, 45.9711



64.7680, 90.2847, 113.8250



91.0736, 90.2847, 180.1823



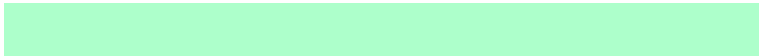
110.9842, 90.2847, 84.2635

Rectangle

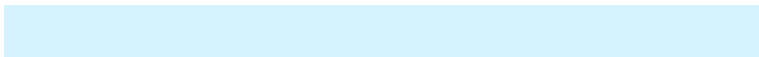
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7588, 90.2847, 45.9711



66.5052, 90.2847, 70.3586



91.0736, 90.2847, 180.1823



108.5366, 90.2847, 132.8155

Sweetspot

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



80.7610, 90.2888, 45.9730



90.1176, 96.8421, 86.5796



60.6138, 48.8473, 42.7941



19.1684, 20.6489, 17.9926



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

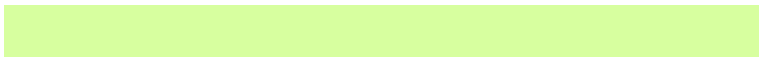
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7610, 90.2888, 45.9730



78.7793, 88.7352, 37.8832



70.0429, 88.4705, 46.1869



19.4242, 20.8166, 19.1386



36.9421, 41.8954, 6.1396



3.6335, 4.1525, 0.6100

Inverse Universe

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



46.1666, 42.2272, 100.3252



39.7826, 34.5677, 99.1832



54.0022, 44.1595, 100.2851



17.1245, 17.6207, 22.7485



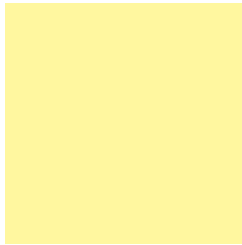
9.6157, 4.1410, 49.7271



0.9759, 0.4826, 4.8550

Previews

White Background



This preview shows how the XYZ color 80.7588, 90.2847, 45.9711 looks on a white background.

Color Contrast Check

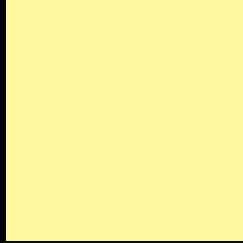
Large Text (above 18pt) WCAG AA × Fail

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 80.7588, 90.2847, 45.9711 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 80.7588, 90.2847, 45.9711

Background



This preview shows how black text looks on a background with the XYZ color 80.7588, 90.2847, 45.9711.



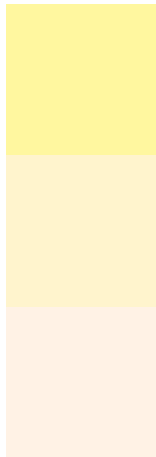
This preview shows how white text looks on a background with the XYZ color 80.7588, 90.2847,

45.9711.

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

80.7588, 90.2847, 45.9711

Protanopia

84.6101, 90.3691, 70.7412

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

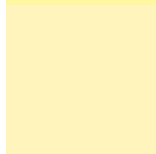
89.4990, 90.4197, 102.3582

Trichromacy



Original Color

80.7588, 90.2847, 45.9711



Protanomaly

82.9695, 90.1957, 60.6135



Deuteranomaly

84.4898, 90.3210, 70.1073



Tritanomaly

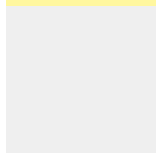
85.6853, 90.3191, 77.8830

Monochromacy



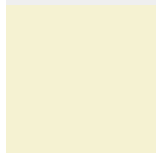
Original Color

80.7588, 90.2847, 45.9711



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

81.0412, 87.5699, 73.6041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7588, 90.2847, 45.9711 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, 247, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 159)  
}
```

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, 247, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 159) }
```

Border

The CSS property to change the border of an element to XYZ 80.7588, 90.2847, 45.9711 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, 247, 159) }
```


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

```
.border{ border-color:rgb(255, 247, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7588, 90.2847, 45.9711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 159) }
```

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

```
.background{ background-color: rgb(255,  
247, 159) }
```

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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