

Converting Colors

XYZ(72.5287, 55.1420, 80.8724)

Have a look what the booklet for
XYZ(72.5287, 55.1420, 80.8724)
contains.

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Color

**XYZ(68.4800, 53.1115,
80.7710)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E5
RGB	255, 163, 229
RGB Percent	100%, 64%, 90%
CMY	0.0000, 0.3608, 0.1020
CMYK	0.00, 0.36, 0.10, 0.00
HSL	317°, 100%, 82%
HSV	317°, 36%, 100%
XYZ	68.4800, 53.1115, 80.7710
YIQ	198.0320, 33.6460, 40.0300

Conversions

Conversions Part 2

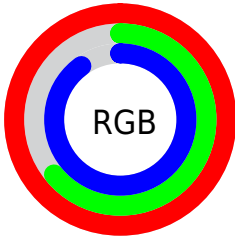
Format	Color
R _Y B	255, 163, 229
Decimal	16753637
CIE Lab	77.94, 43.32, -19.08
CIE LCh	78, 47.340, 336.229
Yxy	53.1115, 0.3384, 0.2625
Android (android.graphics.Color)	4294943717 (0xFFFFA3E5)
YUV	198.0320, 15.2672, 49.9609
Hunter-Lab	72.8776, 40.1930, -14.6973

Details

The XYZ color **68.4800, 53.1115, 80.7710** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.0514, 82.9815, 60.9990**, and the grayscale version is **53.5930, 56.3841, 61.4022**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **36.0374, 25.8247, 42.6205** is the 20% darker color. If you saturate the color by 10%, you get **63.4150, 44.5584, 74.2210**, and if you desaturate by 10%, it is **74.5021, 63.5113, 87.8474**.

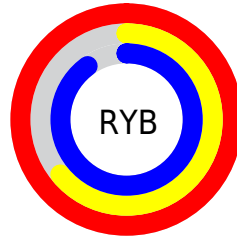
Distribution



Red (100%)

Green (64%)

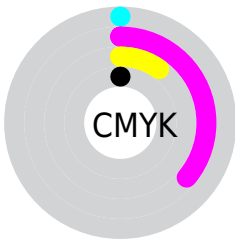
Blue (90%)



Red (100%)

Yellow (64%)

Blue (90%)

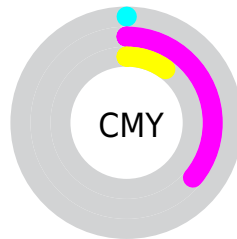


Cyan (0%)

Magenta (36%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4800, 53.1115, 80.7710 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 68.4800, 53.1115, 80.7710 by changing the saturation by 10% instead.


 68.4800, 53.1115,
80.7710

 68.4800, 53.1115,
80.7710


444.5449,
398.7128, 517.3025

 50.5634, 37.8918,
59.8231


 116.0767, 94.7684,
136.2703

 36.0809, 25.8987,
42.8517

 146.4875,
121.9744, 171.6589

 24.6671, 16.7479,
29.4382


181.7938,
153.9446, 212.6981

 15.9566, 10.0549,
19.1642

222.3610,
191.0635, 259.8065

 9.5841, 5.4354,
11.6110

268.5543,
233.7153, 313.4025

 5.1842, 2.5049,
6.3600


320.7392,

 2.3916, 0.8791,


282.2845, 373.9049


2.9929


379.2809,
337.1555, 441.7320


 0.8409, 0.0000,
1.0910


 0.0000, 0.0000,
0.0000

 68.4800, 53.1115,
80.7710


 68.4800, 53.1115,
80.7710


 63.4150, 44.5584,
74.2210


 74.5021, 63.5113,
87.8474

 59.2476, 37.7348,
68.1733

 81.5284, 75.8523,
95.4665

 55.9175, 32.5203,
62.6057

 89.6078, 90.2309,
103.6475

 53.3548, 28.7764,
57.4926

95.0500, 100.0000,
108.9000

■ 51.4780, 26.3409,
52.8041

■ 50.1861, 25.0122,
48.5038

■ 49.7802, 24.6761,
46.9023

Harmonies

Analogous

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



61.6850, 53.1115, 109.1349



68.4800, 53.1115, 80.7710



70.2069, 53.1115, 52.4999

Triad

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



68.4800, 53.1115, 80.7710



48.5840, 53.1115, 20.6491



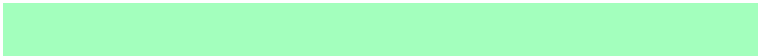
37.5031, 53.1115, 93.2736

Complementary

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



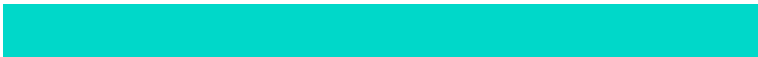
68.4800, 53.1115, 80.7710



60.0514, 82.9815, 60.9990

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.



34.8462, 53.1115, 63.5079



68.4800, 53.1115, 80.7710



40.7229, 53.1115, 25.8117

Square

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



68.4800, 53.1115, 80.7710



57.9592, 53.1115, 22.7297



35.9492, 53.1115, 39.7037



43.6752, 53.1115, 117.7550

Rectangle

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



68.4800, 53.1115, 80.7710



68.0873, 53.1115, 38.1888



35.9492, 53.1115, 39.7037



36.2058, 53.1115, 83.2600

Sweetspot

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



68.4813, 53.1137, 80.7721



85.4951, 82.8907, 99.5479



51.7736, 44.0493, 100.3813



18.0669, 17.3285, 21.0709



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.



68.4813, 53.1137, 80.7721



64.8750, 47.0004, 76.1816



63.0395, 50.9370, 52.1162



18.5609, 18.2077, 21.5707



26.0785, 12.9207, 24.8615



2.5860, 1.2768, 2.6674

Inverse Universe

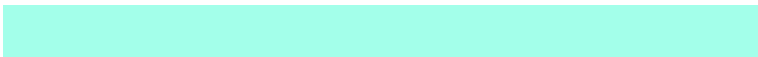
The Inverse Universe completely reimagines the original color for something new.



68.4813, 53.1137, 80.7721



64.8750, 47.0004, 76.1816



65.6500, 85.2210, 90.4811



18.5609, 18.2077, 21.5707



26.0785, 12.9207, 24.8615



2.5860, 1.2768, 2.6674

Previews

White Background



This preview shows how the XYZ color 68.4800, 53.1115, 80.7710 looks on a white background.

Color Contrast Check

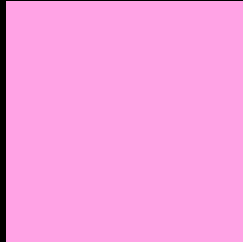
Large Text (above 18pt) WCAG AA × Fail

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 68.4800, 53.1115, 80.7710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

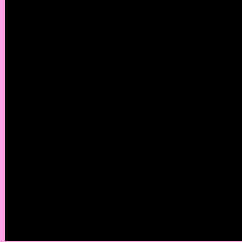
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4800, 53.1115, 80.7710

Background



This preview shows how black text looks on a background with the XYZ color 68.4800, 53.1115, 80.7710.



This preview shows how white text looks on a background with the XYZ color 68.4800, 53.1115,

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

68.4800, 53.1115, 80.7710

Protanopia

53.9342, 53.5039, 96.2916

Deuteranopia

54.4637, 53.2186, 77.9227



Tritanopia

62.9338, 53.3318, 52.8760

Trichromacy



Original Color

68.4800, 53.1115, 80.7710



Protanomaly

57.8547, 52.5204, 90.3073



Deuteranomaly

58.7610, 52.6366, 79.0143



Tritanomaly

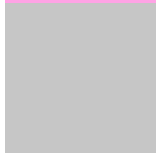
64.8755, 53.2884, 62.1247

Monochromacy



Original Color

68.4800, 53.1115, 80.7710



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.0710, 54.3614, 67.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4800, 53.1115, 80.7710 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, 163, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 229)  
}
```

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, 163, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.4800, 53.1115, 80.7710 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, 163, 229) }
```


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

```
.border{ border-color:rgb(255, 163, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4800, 53.1115, 80.7710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 229) }
```

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

```
.background{ background-color: rgb(255,  
163, 229) }
```

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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