

Converting Colors

XYZ(50.9329, 27.2500, 46.4586)

Have a look what the booklet for
XYZ(50.9329, 27.2500, 46.4586)
contains.

XYZ(50.8997, 27.2345, 46.2901)	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(50.8997, 27.2345,
46.2901)**

Conversions

Conversions Part 1

Format	Color
Hex	FF36B5
RGB	255, 54, 181
RGB Percent	100%, 21%, 71%
CMY	0.0000, 0.7882, 0.2902
CMYK	0.00, 0.79, 0.29, 0.00
HSL	322°, 100%, 61%
HSV	322°, 79%, 100%
XYZ	50.8997, 27.2345, 46.2901
YIQ	128.5770, 79.0290, 82.1090

Conversions

Conversions Part 2

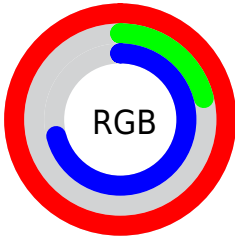
Format	Color
R _Y B	255, 54, 181
Decimal	16725685
CIE Lab	59.19, 81.94, -20.75
CIE LCh	59, 84.521, 345.791
Yxy	27.2345, 0.4091, 0.2189
Android (android.graphics.Color)	4294915765 (0xFFFF36B5)
YUV	128.5770, 25.8445, 110.8730
Hunter-Lab	52.1867, 82.7713, -16.0601

Details

The XYZ color **50.8997, 27.2345, 46.2901** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.1793, 73.8635, 32.5136**, and the grayscale version is **20.6142, 21.6878, 23.6180**.

A 20% lighter version of the original color is **63.4856, 41.2935, 84.7451**, and **25.8886, 12.8960, 21.5468** is the 20% darker color. If you saturate the color by 10%, you get **49.0767, 25.0788, 41.0885**, and if you desaturate by 10%, it is **53.4101, 30.6612, 52.0416**.

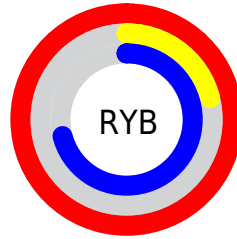
Distribution



Red (100%)

Green (21%)

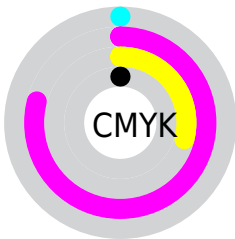
Blue (71%)



Red (100%)

Yellow (21%)

Blue (71%)

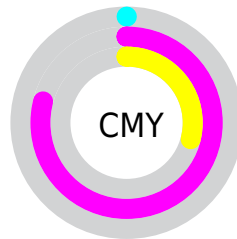


Cyan (0%)

Magenta (79%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8997, 27.2345, 46.2901 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 50.8997, 27.2345, 46.2901 by changing the saturation by 10% instead.


 50.8997, 27.2345,
46.2901


 50.8997, 27.2345,
46.2901


380.5681,
288.7907, 388.2851


 36.3495, 17.7494,
32.1245


 90.6904, 55.2599,
85.9918


 24.8756, 10.7702,
21.1910


 116.6616, 74.5691,
112.3651


 16.1126, 5.9126,
13.0711


 147.1705, 97.9217,
143.6445

 9.6952, 2.7920,
7.3462

 182.5824,
125.7022, 180.2489

 5.2581, 1.0241,
3.5978

 223.2628,
158.2949, 222.5965

 2.4358, 0.0000,
1.4074

269.5770,

 0.8630, 0.0000,

196.0844, 271.1061

0.1475

321.8903,
239.4548, 326.1961

■ 0.0000, 0.0000,
0.0000

■ 50.8997, 27.2345,
46.2901

■ 50.8997, 27.2345,
46.2901

■ 49.0767, 25.0788,
41.0885

■ 53.4101, 30.6612,
52.0416

■ 47.8142, 23.9420,
36.3876

■ 56.6924, 35.5258,
58.3766

■ 47.6830, 23.8372,
35.8585

■ 60.8204, 41.9741,
65.3259

■ 65.8585, 50.1328,
72.9166

■ 71.8644, 60.1156,
81.1737

78.8910, 72.0264,
90.1201

86.9871, 85.9613,
99.7777

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.2851, 27.2345, 91.2673



50.8997, 27.2345, 46.2901



50.6728, 27.2345, 16.5047

Triad

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



50.8997, 27.2345, 46.2901



20.7562, 27.2345, 1.5343



14.1765, 27.2345, 93.6850

Complementary

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



50.8997, 27.2345, 46.2901



41.1793, 73.8635, 32.5136

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.



10.8791, 27.2345, 48.4036



50.8997, 27.2345, 46.2901



13.9134, 27.2345, 4.8107

Square

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



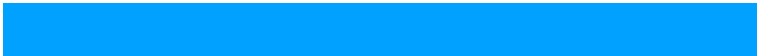
50.8997, 27.2345, 46.2901



31.1816, 27.2345, 1.4775



10.7981, 27.2345, 17.5740



21.2260, 27.2345, 128.9031

Rectangle

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



50.8997, 27.2345, 46.2901



46.0333, 27.2345, 7.0231



10.7981, 27.2345, 17.5740



12.6881, 27.2345, 78.1520

Sweetspot

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



50.9004, 27.2359, 46.2906



75.1193, 65.6074, 85.3966



28.2282, 14.4263, 95.9045



15.5585, 13.1640, 17.6066



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.



50.9004, 27.2359, 46.2906



48.2460, 24.2876, 38.1290



44.0380, 24.4909, 10.1539



18.4923, 18.1802, 21.2097



24.9899, 12.4852, 19.1289



2.4859, 1.2367, 2.1401

Inverse Universe

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



50.9004, 27.2359, 46.2906



48.2460, 24.2876, 38.1290



51.3137, 77.9173, 85.8809



18.4923, 18.1802, 21.2097



24.9899, 12.4852, 19.1289



2.4859, 1.2367, 2.1401

Previews

White Background



This preview shows how the XYZ color 50.8997, 27.2345, 46.2901 looks on a white background.

Color Contrast Check

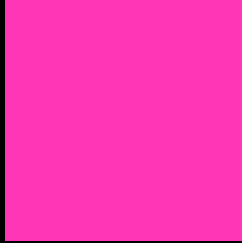
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.8997, 27.2345, 46.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

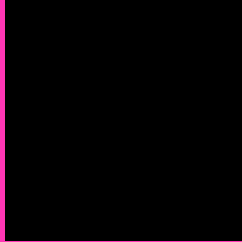
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.8997, 27.2345, 46.2901

Background



This preview shows how black text looks on a background with the XYZ color 50.8997, 27.2345, 46.2901.



This preview shows how white text looks on a background with the XYZ color 50.8997, 27.2345,

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

50.8997, 27.2345, 46.2901

Protanopia

30.4473, 27.5330, 88.5037

Deuteranopia

27.8160, 27.2072, 41.8157



Tritanopia

43.8054, 27.1916, 12.6126

Trichromacy



Original Color

50.8997, 27.2345, 46.2901



Protanomaly

31.7984, 22.8610, 70.4468



Deuteranomaly

32.7697, 23.9715, 42.9442



Tritanomaly

45.8076, 26.8368, 21.5046

Monochromacy



Original Color

50.8997, 27.2345, 46.2901



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

27.7759, 20.7548, 30.5591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8997, 27.2345, 46.2901 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, 54, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 181)  
}
```

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, 54, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 181) }
```

Border

The CSS property to change the border of an element to XYZ 50.8997, 27.2345, 46.2901 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, 54, 181) }
```


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

```
.border{ border-color:rgb(255, 54, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 54, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8997, 27.2345, 46.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 181) }
```

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

```
.background{ background-color: rgb(255, 54,  
181) }
```

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