

Converting Colors

XYZ(47.2869, 24.5495, 31.0880)

Have a look what the booklet for
XYZ(47.2869, 24.5495, 31.0880)
contains.

XYZ(47.2889, 24.5497, 31.1003)	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(47.2889, 24.5497,
31.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2196
RGB	255, 33, 150
RGB Percent	100%, 13%, 59%
CMY	0.0000, 0.8705, 0.4118
CMYK	0.00, 0.87, 0.41, 0.00
HSL	328°, 100%, 56%
HSV	328°, 87%, 100%
XYZ	47.2889, 24.5497, 31.1003
YIQ	112.7160, 94.7550, 83.4510

Conversions

Conversions Part 2

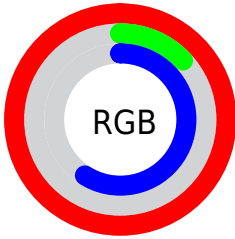
Format	Color
R_{YB}	255, 33, 150
Decimal	16720278
CIE _{Lab}	56.63, 83.12, -6.48
CIE _{LCh}	57, 83.371, 355.540
Yxy	24.5497, 0.4594, 0.2385
Android (android.graphics.Color)	4294910358 (0xFFFF2196)
YUV	112.7160, 18.3810, 124.7831
Hunter-Lab	49.5477, 83.6542, -2.5321

Details

The XYZ color **47.2889, 24.5497, 31.1003** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.9772, 73.6794, 36.1159**, and the grayscale version is **15.5434, 16.3529, 17.8083**.

A 20% lighter version of the original color is **57.6077, 36.5569, 61.1467**, and **23.9904, 12.1073, 12.8769** is the 20% darker color. If you saturate the color by 10%, you get **45.9046, 23.2565, 26.0908**, and if you desaturate by 10%, it is **49.3068, 26.9502, 36.8147**.

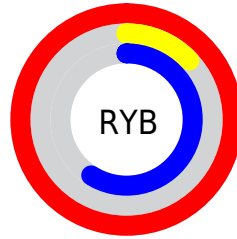
Distribution



Red (100%)

Green (13%)

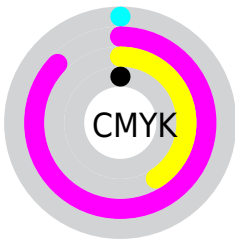
Blue (59%)



Red (100%)

Yellow (13%)

Blue (59%)

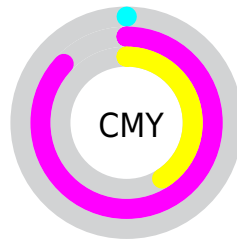


Cyan (0%)

Magenta (87%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2889, 24.5497, 31.1003 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 47.2889, 24.5497, 31.1003 by changing the saturation by 10% instead.

 47.2889, 24.5497,
31.1003

 47.2889, 24.5497,
31.1003


366.5962,
275.5879, 321.3656


 33.4730, 15.7419,
20.4161

 85.3608, 50.9258,
62.4794


 22.6500, 9.3417,
12.5108


 110.3476, 69.2628,
84.0114


 14.4546, 4.9647,
6.9658


 139.7886, 91.5450,
109.9964

 8.5213, 2.2266,
3.3626

 174.0493,
118.1568, 140.8529

 4.4849, 0.7344,
1.2826

 213.4951,
149.4826, 176.9996

 1.9799, 0.0000,
0.0475

258.4913,

 0.6227, 0.0000,

185.9068, 218.8549

0.0000

309.4032,
227.8138, 266.8374

■ 0.0000, 0.0000,
0.0000

■ 47.2889, 24.5497,
31.1003

■ 47.2889, 24.5497,
31.1003

■ 45.9046, 23.2565,
26.0908

■ 49.3068, 26.9502,
36.8147

■ 45.5696, 22.9918,
24.7291

■ 52.0644, 30.6653,
43.2830

■ 55.6476, 35.8627,
50.5477

■ 60.1292, 42.6836,
58.6463

■ 65.5736, 51.2526,
67.6127

72.0390, 61.6822,
77.4787

79.5787, 74.0753,
88.2738

88.2424, 88.5271,
100.0261

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.



42.3254, 24.5497, 69.7456



47.2889, 24.5497, 31.1003



44.5181, 24.5497, 9.6877

Triad

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



47.2889, 24.5497, 31.1003



16.1842, 24.5497, 1.7020



14.2956, 24.5497, 99.3322

Complementary

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



47.2889, 24.5497, 31.1003



40.9772, 73.6794, 36.1159

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.



10.2319, 24.5497, 56.9864



47.2889, 24.5497, 31.1003



11.0916, 24.5497, 6.4731

Square

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



47.2889, 24.5497, 31.1003



24.8135, 24.5497, 1.0165



9.2466, 24.5497, 22.7904



21.9141, 24.5497, 123.0971

Rectangle

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



47.2889, 24.5497, 31.1003



38.9766, 24.5497, 3.8643



9.2466, 24.5497, 22.7904



12.5613, 24.5497, 85.8080

Sweetspot

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



47.2896, 24.5511, 31.1007



72.7787, 62.8885, 78.5671



28.8478, 13.5948, 95.7114



15.0645, 12.6258, 16.0557



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.



47.2896, 24.5511, 31.1007



45.5696, 22.9918, 24.7291



42.1748, 22.5052, 4.1666



18.4093, 18.1471, 20.7728



23.8872, 12.0442, 13.3223



2.3810, 1.1948, 1.5880

Inverse Universe

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



47.2896, 24.5511, 31.1007



45.5696, 22.9918, 24.7291



53.2694, 78.5963, 100.8456



18.4093, 18.1471, 20.7728



23.8872, 12.0442, 13.3223



2.3810, 1.1948, 1.5880

Previews

White Background



This preview shows how the XYZ color 47.2889, 24.5497, 31.1003 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 47.2889, 24.5497, 31.1003 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 47.2889, 24.5497, 31.1003

Background



This preview shows how black text looks on a background with the XYZ color 47.2889, 24.5497, 31.1003.



This preview shows how white text looks on a background with the XYZ color 47.2889, 24.5497,

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

47.2889, 24.5497, 31.1003

Protanopia

26.4646, 24.9545, 64.3946

Deuteranopia

25.1242, 24.6625, 27.8622



Tritanopia

42.3580, 24.5219, 7.9695

Trichromacy



Original Color

47.2889, 24.5497, 31.1003



Protanomaly

28.2521, 19.8616, 49.9216



Deuteranomaly

29.6343, 20.9137, 28.4614



Tritanomaly

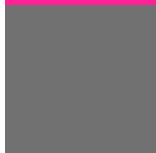
43.6226, 24.1235, 13.9124

Monochromacy



Original Color

47.2889, 24.5497, 31.1003



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.4533, 15.8463, 21.6139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2889, 24.5497, 31.1003 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, 33, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 150)  
}
```

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, 33, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.2889, 24.5497, 31.1003 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, 33, 150) }
```


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

```
.border{ border-color:rgb(255, 33, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2889, 24.5497, 31.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 150) }
```

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

```
.background{ background-color: rgb(255, 33,  
150) }
```

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