

Converting Colors

XYZ(46.9386, 24.0141, 30.4749)

Have a look what the booklet for
XYZ(46.9386, 24.0141, 30.4749)
contains.

XYZ(46.9712, 24.0427, 30.5988)	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(46.9712, 24.0427,
30.5988)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1795
RGB	255, 23, 149
RGB Percent	100%, 9%, 58%
CMY	0.0000, 0.9097, 0.4157
CMYK	0.00, 0.91, 0.42, 0.00
HSL	327°, 100%, 55%
HSV	327°, 91%, 100%
XYZ	46.9712, 24.0427, 30.5988
YIQ	106.7320, 97.8260, 88.3700

Conversions

Conversions Part 2

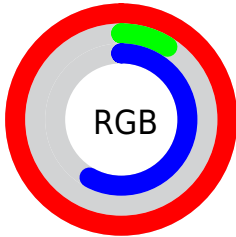
Format	Color
R _Y B	255, 23, 149
Decimal	16717717
CIE Lab	56.13, 84.40, -6.64
CIE LCh	56, 84.660, 355.502
Yxy	24.0427, 0.4623, 0.2366
Android (android.graphics.Color)	4294907797 (0xFFFF1795)
YUV	106.7320, 20.8381, 130.0310
Hunter-Lab	49.0334, 85.1846, -2.6760

Details

The XYZ color **46.9712, 24.0427, 30.5988** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **40.0788, 73.2884, 32.8146**, and the grayscale version is **13.8314, 14.5517, 15.8468**.

A 20% lighter version of the original color is **57.1735, 35.8799, 60.4120**, and **23.9428, 12.0883, 12.6266** is the 20% darker color. If you saturate the color by 10%, you get **45.8618, 23.1087, 26.2684**, and if you desaturate by 10%, it is **48.7214, 25.9789, 36.0045**.

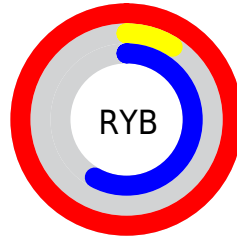
Distribution



Red (100%)

Green (9%)

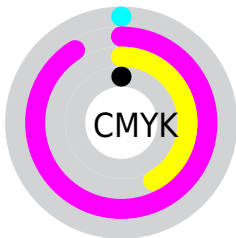
Blue (58%)



Red (100%)

Yellow (9%)

Blue (58%)

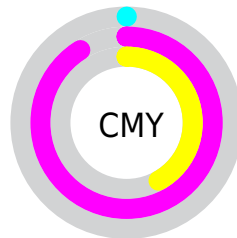


Cyan (0%)

Magenta (91%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (91%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9712, 24.0427, 30.5988 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 46.9712, 24.0427, 30.5988 by changing the saturation by 10% instead.

 46.9712, 24.0427,
30.5988


 46.9712, 24.0427,
30.5988


365.3504,
273.0363, 318.9795


 33.2207, 15.3653,
20.0376


 84.8896, 50.0999,
61.6800


 22.4556, 9.0762,
12.2381


 109.7883, 68.2484,
83.0372


 14.3106, 4.7909,
6.7815


 139.1338, 90.3228,
108.8300

 8.4201, 2.1251,
3.2495

 173.2914,
116.7075, 139.4772

 4.4190, 0.6787,
1.2234

 212.6265,
147.7867, 175.3972

 1.9418, 0.0000,
0.0000

257.5045,

 0.6009, 0.0000,

183.9450, 217.0085

0.0000

308.2907,
225.5668, 264.7298

■ 0.0000, 0.0000,
0.0000

■ 46.9712, 24.0427,
30.5988

■ 46.9712, 24.0427,
30.5988

■ 45.8618, 23.1087,
26.2684

■ 48.7214, 25.9789,
36.0045

■ 51.1668, 29.1525,
42.1139

■ 54.4000, 33.7443,
48.9704

■ 58.4975, 39.9038,
56.6115

■ 63.5265, 47.7616,
65.0710

69.5472, 57.4343,
74.3801

76.6144, 69.0282,
84.5678

84.7788, 82.6412,
95.6614

94.0876, 98.3648,
107.6870

Harmonies

Analogous

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



41.9477, 24.0427, 69.6337



46.9712, 24.0427, 30.5988



44.1810, 24.0427, 9.2476

Triad

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



46.9712, 24.0427, 30.5988



15.7200, 24.0427, 1.5006



13.8257, 24.0427, 99.5830

Complementary

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



46.9712, 24.0427, 30.5988



40.0788, 73.2884, 32.8146

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.



9.8047, 24.0427, 56.6023



46.9712, 24.0427, 30.5988



10.6613, 24.0427, 6.0727

Square

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



46.9712, 24.0427, 30.5988



24.3473, 24.0427, 0.8653



8.8365, 24.0427, 22.2057



21.4190, 24.0427, 123.8304

Rectangle

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



46.9712, 24.0427, 30.5988



38.5916, 24.0427, 3.5640



8.8365, 24.0427, 22.2057



12.1062, 24.0427, 85.8258

Sweetspot

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



46.9719, 24.0441, 30.5992



72.2225, 61.7978, 78.3146



27.1720, 12.3784, 95.5648



14.9636, 12.4195, 16.0359



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.



46.9719, 24.0441, 30.5992



45.8619, 23.1087, 26.2684



41.8450, 21.9933, 3.6014



18.4220, 18.1521, 20.8393



24.0402, 12.1054, 14.1278



2.3959, 1.2007, 1.6661

Inverse Universe

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



46.9719, 24.0441, 30.5992



45.8619, 23.1087, 26.2684



52.3525, 78.1978, 97.4468



18.4220, 18.1521, 20.8393



24.0402, 12.1054, 14.1278



2.3959, 1.2007, 1.6661

Previews

White Background



This preview shows how the XYZ color 46.9712, 24.0427, 30.5988 looks on a white background.

Color Contrast Check

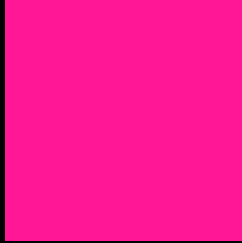
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9712, 24.0427, 30.5988 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 46.9712, 24.0427, 30.5988

Background



This preview shows how black text looks on a background with the XYZ color 46.9712, 24.0427, 30.5988.



This preview shows how white text looks on a background with the XYZ color 46.9712, 24.0427,

30.5988.

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

46.9712, 24.0427, 30.5988

Protanopia

26.2151, 24.5927, 65.6525

Deuteranopia

24.7364, 24.2706, 27.4257



Tritanopia

42.0724, 24.1394, 7.2924

Trichromacy



Original Color

46.9712, 24.0427, 30.5988



Protanomaly

27.5969, 18.9764, 50.3524



Deuteranomaly

28.9593, 20.0464, 27.9342



Tritanomaly

43.2674, 23.6356, 13.1081

Monochromacy



Original Color

46.9712, 24.0427, 30.5988



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

20.7952, 14.1511, 20.0478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9712, 24.0427, 30.5988 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, 23, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 149)  
}
```

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, 23, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 149) }
```

Border

The CSS property to change the border of an element to XYZ 46.9712, 24.0427, 30.5988 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, 23, 149) }
```


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

```
.border{ border-color:rgb(255, 23, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9712, 24.0427, 30.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 149) }
```

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

```
.background{ background-color: rgb(255, 23,  
149) }
```

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