

Converting Colors

XYZ(48.0122, 24.8457, 34.8889)

Have a look what the booklet for
XYZ(48.0122, 24.8457, 34.8889)
contains.

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Color

**XYZ(48.0419, 24.8509,
35.0655)**

Conversions

Conversions Part 1

Format	Color
Hex	FF219F
RGB	255, 33, 159
RGB Percent	100%, 13%, 62%
CMY	0.0000, 0.8705, 0.3765
CMYK	0.00, 0.87, 0.38, 0.00
HSL	326°, 100%, 56%
HSV	326°, 87%, 100%
XYZ	48.0419, 24.8509, 35.0655
YIQ	113.7420, 91.8660, 86.2500

Conversions

Conversions Part 2

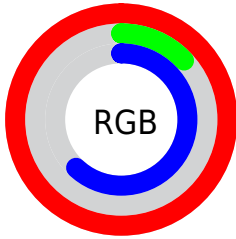
Format	Color
R_{YB}	255, 33, 159
Decimal	16720287
CIE _{Lab}	56.93, 83.94, -11.35
CIE _{LCh}	57, 84.699, 352.300
Yxy	24.8509, 0.4450, 0.2302
Android (android.graphics.Color)	4294910367 (0xFFFF219F)
YUV	113.7420, 22.3122, 123.8833
Hunter-Lab	49.8507, 84.7846, -6.8097

Details

The XYZ color **48.0419, 24.8509, 35.0655** 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 **40.3520, 73.4294, 32.8237**, and the grayscale version is **15.8369, 16.6616, 18.1445**.

A 20% lighter version of the original color is **58.9535, 37.2669, 67.7044**, and **24.4450, 12.2892, 15.2710** is the 20% darker color. If you saturate the color by 10%, you get **46.6648, 23.5606, 30.0936**, and if you desaturate by 10%, it is **50.0380, 27.2426, 40.6654**.

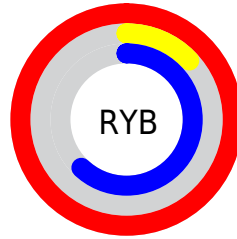
Distribution



Red (100%)

Green (13%)

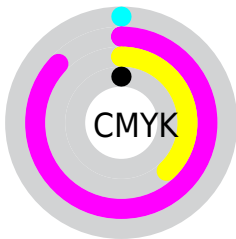
Blue (62%)



Red (100%)

Yellow (13%)

Blue (62%)

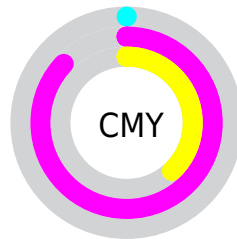


Cyan (0%)

Magenta (87%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0419, 24.8509, 35.0655 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 48.0419, 24.8509, 35.0655 by changing the saturation by 10% instead.


 48.0419, 24.8509,
35.0655


 48.0419, 24.8509,
35.0655


369.5380,
277.0946, 339.7704


 34.0715, 15.9660,
23.4294


 86.4761, 51.4152,
68.7399


 23.1117, 9.5001,
14.7026


 111.6706, 69.8635,
91.6154


 14.7971, 5.0688,
8.4666


 141.3371, 92.2683,
119.0743

 8.7625, 2.2877,
4.3029

 175.8410,
119.0140, 151.5352

 4.6425, 0.7672,
1.7930

 215.5477,
150.4852, 189.4168

 2.0716, 0.0000,
0.4233

260.8226,

 0.6737, 0.0000,

187.0660, 233.1375

0.0000

312.0309,
229.1410, 283.1158

■ 0.0000, 0.0000,
0.0000

■ 48.0419, 24.8509,
35.0655

■ 48.0419, 24.8509,
35.0655

■ 46.6648, 23.5606,
30.0936

■ 50.0380, 27.2426,
40.6654

■ 46.3291, 23.2956,
28.7289

■ 52.7585, 30.9429,
46.9385

■ 56.2886, 36.1190,
53.9235

■ 60.7004, 42.9119,
61.6542

■ 66.0576, 51.4461,
70.1615

72.4178, 61.8336,
79.4737

79.8338, 74.1771,
89.6175

88.3546, 88.5718,
100.6179

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.



42.1759, 24.8509, 76.1610



48.0419, 24.8509, 35.0655



46.0540, 24.8509, 11.1613

Triad

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



48.0419, 24.8509, 35.0655



17.0907, 24.8509, 1.4474



13.7626, 24.8509, 97.4768

Complementary

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



48.0419, 24.8509, 35.0655



40.3520, 73.4294, 32.8237

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.



9.9932, 24.8509, 53.5624



48.0419, 24.8509, 35.0655



11.5052, 24.8509, 5.5031

Square

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



48.0419, 24.8509, 35.0655



26.2715, 24.8509, 0.9945



9.3020, 24.8509, 20.3737



21.1532, 24.8509, 125.4638

Rectangle

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



48.0419, 24.8509, 35.0655



40.7425, 24.8509, 4.4203



9.3020, 24.8509, 20.3737



12.1259, 24.8509, 83.0626

Sweetspot

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



48.0426, 24.8523, 35.0659



73.1455, 63.0352, 80.4986



27.1272, 12.7078, 95.6308



15.1514, 12.6605, 16.5133



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.



48.0426, 24.8523, 35.0659



46.3291, 23.2956, 28.7289



42.3937, 22.5927, 5.3191



18.4413, 18.1598, 20.9410



24.2843, 12.2030, 15.4136



2.4193, 1.2101, 1.7895

Inverse Universe

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



48.0426, 24.8523, 35.0659



46.3291, 23.2956, 28.7289



51.6014, 77.9291, 92.0620



18.4413, 18.1598, 20.9410



24.2843, 12.2030, 15.4136



2.4193, 1.2101, 1.7895

Previews

White Background



This preview shows how the XYZ color 48.0419, 24.8509, 35.0655 looks on a white background.

Color Contrast Check

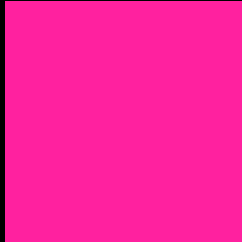
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0419, 24.8509, 35.0655 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 48.0419, 24.8509, 35.0655

Background



This preview shows how black text looks on a background with the XYZ color 48.0419, 24.8509, 35.0655.



This preview shows how white text looks on a background with the XYZ color 48.0419, 24.8509,

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

48.0419, 24.8509, 35.0655

Protanopia

27.3239, 25.2027, 73.2365

Deuteranopia

25.4099, 24.9329, 31.4903



Tritanopia

42.6288, 24.9132, 8.5232

Trichromacy



Original Color

48.0419, 24.8509, 35.0655



Protanomaly

28.8006, 19.9886, 56.9838



Deuteranomaly

29.9498, 21.1307, 32.2059



Tritanomaly

43.9593, 24.4071, 15.2261

Monochromacy



Original Color

48.0419, 24.8509, 35.0655



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

22.7948, 16.1080, 23.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0419, 24.8509, 35.0655 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 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, 33, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 159) }
```

Border

The CSS property to change the border of an element to XYZ 48.0419, 24.8509, 35.0655 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, 159) }
```


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

```
.border{ border-color:rgb(255, 33, 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, 33, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0419, 24.8509, 35.0655 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, 159) }
```

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

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