

Converting Colors

XYZ(48.6376, 24.5944, 39.7283)

Have a look what the booklet for
XYZ(48.6376, 24.5944, 39.7283)
contains.

XYZ(48.6343, 24.5903, 39.7192)	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(48.6343, 24.5903,
39.7192)**

Conversions

Conversions Part 1

Format	Color
Hex	FF13A9
RGB	255, 19, 169
RGB Percent	100%, 7%, 66%
CMY	0.0000, 0.9253, 0.3373
CMYK	0.00, 0.93, 0.34, 0.00
HSL	322°, 100%, 54%
HSV	322°, 93%, 100%
XYZ	48.6343, 24.5903, 39.7192
YIQ	106.6640, 92.5060, 96.6820

Conversions

Conversions Part 2

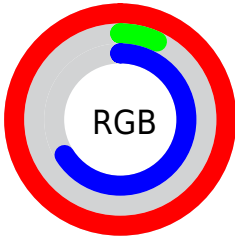
Format	Color
R _Y B	255, 19, 169
Decimal	16716713
CIE _{Lab}	56.67, 86.67, -17.60
CIE _{LCh}	57, 88.438, 348.519
Yxy	24.5903, 0.4306, 0.2177
Android (android.graphics.Color)	4294906793 (0xFFFF13A9)
YUV	106.6640, 30.7316, 130.0907
Hunter-Lab	49.5886, 88.2848, -12.7777

Details

The XYZ color **48.6343, 24.5903, 39.7192** 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 **38.5811, 72.6796, 25.3702**, and the grayscale version is **13.7881, 14.5061, 15.7972**.

A 20% lighter version of the original color is **59.7461, 36.7450, 74.4645**, and **25.2032, 12.6218, 17.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.7670, 23.8708, 36.3009**, and if you desaturate by 10%, it is **50.2264, 26.3280, 44.7091**.

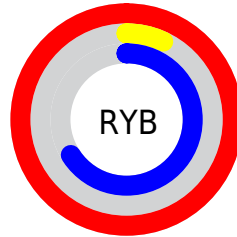
Distribution



Red (100%)

Green (7%)

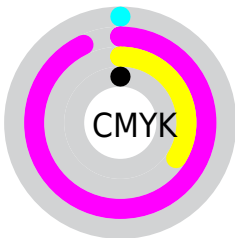
Blue (66%)



Red (100%)

Yellow (7%)

Blue (66%)

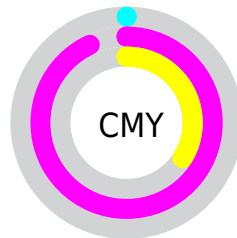


Cyan (0%)

Magenta (93%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (93%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6343, 24.5903, 39.7192 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 48.6343, 24.5903, 39.7192 by changing the saturation by 10% instead.

 48.6343, 24.5903,
39.7192

 48.6343, 24.5903,
39.7192

371.8417,
275.7914, 360.4555


 34.5428, 15.7721,
27.0076


 87.3521, 50.9918,
75.9681


 23.4758, 9.3630,
17.3464


 112.7090, 69.3438,
100.3425


 15.0678, 4.9787,
10.3172


 142.5519, 91.6426,
129.4415

 8.9536, 2.2348,
5.5014

 177.2460,
118.2726, 163.6838

 4.7678, 0.7389,
2.4805

 217.1567,
149.6180, 203.4877

 2.1450, 0.0000,
0.8298

262.6493,

 0.7135, 0.0000,

186.0634, 249.2720

0.0000

314.0892,
227.9930, 301.4550

■ 0.0000, 0.0000,
0.0000

■ 48.6343, 24.5903,
39.7192

■ 48.6343, 24.5903,
39.7192

■ 47.7670, 23.8708,
36.3009

■ 50.2264, 26.3280,
44.7091

■ 52.4653, 29.2583,
50.2267

■ 55.4455, 33.5677,
56.3094

■ 59.2441, 39.4090,
62.9888

■ 63.9284, 46.9148,
70.2930

69.5583, 56.2033,
78.2474

76.1884, 67.3816,
86.8756

83.8689, 80.5485,
96.1995

92.6465, 95.7960,
106.2399

Harmonies

Analogous

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



41.5606, 24.5903, 84.6193



48.6343, 24.5903, 39.7192



47.6165, 24.5903, 12.5031

Triad

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



48.6343, 24.5903, 39.7192



17.6319, 24.5903, 0.9687



12.5593, 24.5903, 95.6647

Complementary

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



48.6343, 24.5903, 39.7192



38.5811, 72.6796, 25.3702

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.



9.1782, 24.5903, 49.1194



48.6343, 24.5903, 39.7192



11.4576, 24.5903, 4.0425

Square

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



48.6343, 24.5903, 39.7192



27.5383, 24.5903, 0.7722



8.8451, 24.5903, 17.0010



19.6493, 24.5903, 129.6233

Rectangle

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



48.6343, 24.5903, 39.7192



42.5338, 24.5903, 4.7133



8.8451, 24.5903, 17.0010



11.0534, 24.5903, 79.8747

Sweetspot

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



48.6350, 24.5917, 39.7196



72.4372, 61.0309, 82.0743



23.7207, 10.4900, 95.3823



14.9170, 12.0777, 16.7869



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.



48.6350, 24.5917, 39.7196



47.7670, 23.8708, 36.3009



42.1496, 21.9975, 5.5680



18.4953, 18.1814, 21.2253



25.0336, 12.5027, 19.3590



2.4900, 1.2384, 2.1615

Inverse Universe

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



48.6350, 24.5917, 39.7196



47.7670, 23.8708, 36.3009



48.8954, 76.8053, 79.6846



18.4953, 18.1814, 21.2253



25.0336, 12.5027, 19.3590



2.4900, 1.2384, 2.1615

Previews

White Background



This preview shows how the XYZ color 48.6343, 24.5903, 39.7192 looks on a white background.

Color Contrast Check

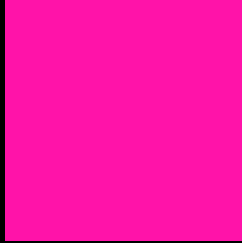
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6343, 24.5903, 39.7192 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 48.6343, 24.5903, 39.7192

Background



This preview shows how black text looks on a background with the XYZ color 48.6343, 24.5903, 39.7192.



This preview shows how white text looks on a background with the XYZ color 48.6343, 24.5903,

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

48.6343, 24.5903, 39.7192

Protanopia

28.1402, 25.1410, 85.8076

Deuteranopia

25.3743, 24.8191, 35.8010



Tritanopia

42.2714, 24.7289, 8.5064

Trichromacy



Original Color

48.6343, 24.5903, 39.7192



Protanomaly

28.3592, 18.8989, 65.7715



Deuteranomaly

29.6401, 20.2080, 36.5207



Tritanomaly

43.5781, 23.8520, 16.2170

Monochromacy



Original Color

48.6343, 24.5903, 39.7192



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

21.2433, 14.2209, 22.7444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6343, 24.5903, 39.7192 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, 19, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 19, 169)  
}
```

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, 19, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 19, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.6343, 24.5903, 39.7192 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, 19, 169) }
```


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

```
.border{ border-color:rgb(255, 19, 169) }
```

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

Here you see how a box with a 4 pixel rgb(255, 19, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 19, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 19, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 19,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6343, 24.5903, 39.7192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 19, 169) }
```

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

```
.background{ background-color: rgb(255, 19,  
169) }
```

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