

Converting Colors

XYZ(48.9136, 25.1999, 39.6550)

Have a look what the booklet for
XYZ(48.9136, 25.1999, 39.6550)
contains.

XYZ(48.9453, 25.2123, 39.8229)	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(48.9453, 25.2123,
39.8229)**

Conversions

Conversions Part 1

Format	Color
Hex	FF21A9
RGB	255, 33, 169
RGB Percent	100%, 13%, 66%
CMY	0.0000, 0.8705, 0.3373
CMYK	0.00, 0.87, 0.34, 0.00
HSL	323°, 100%, 56%
HSV	323°, 87%, 100%
XYZ	48.9453, 25.2123, 39.8229
YIQ	114.8820, 88.6560, 89.3600

Conversions

Conversions Part 2

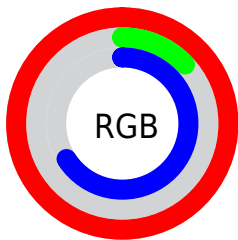
Format	Color
R _Y B	255, 33, 169
Decimal	16720297
CIE Lab	57.28, 84.90, -16.68
CIE LCh	57, 86.523, 348.885
Yxy	25.2123, 0.4294, 0.2212
Android (android.graphics.Color)	4294910377 (0xFFFF21A9)
YUV	114.8820, 26.6802, 122.8835
Hunter-Lab	50.2119, 86.1267, -11.8745

Details

The XYZ color **48.9453, 25.2123, 39.8229** 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 **39.7192, 73.1762, 29.4915**, and the grayscale version is **16.1669, 17.0088, 18.5226**.

A 20% lighter version of the original color is **60.2705, 37.7937, 74.6393**, and **25.2032, 12.6218, 17.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.5902, 23.9308, 34.9668**, and if you desaturate by 10%, it is **50.9042, 27.5891, 45.2264**.

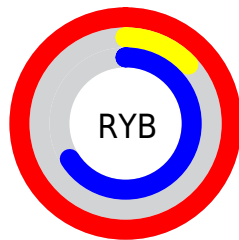
Distribution



Red (100%)

Green (13%)

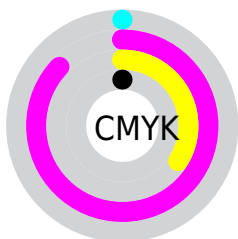
Blue (66%)



Red (100%)

Yellow (13%)

Blue (66%)

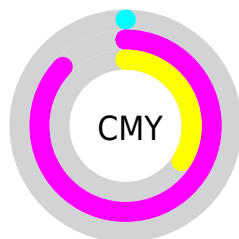


Cyan (0%)

Magenta (87%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (87%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9453, 25.2123, 39.8229 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 48.9453, 25.2123, 39.8229 by changing the saturation by 10% instead.


 48.9453, 25.2123,
39.8229

 48.9453, 25.2123,
39.8229

373.0475,
278.8936, 360.9064

 34.7904, 16.2353,
27.0878


 87.8114, 52.0014,
76.1279


 23.6673, 9.6908,
17.4061


 113.2534, 70.5823,
100.5348


 15.2104, 5.1944,
10.3595


 143.1885, 93.1333,
129.6694

 9.0544, 2.3618,
5.5292

 177.9820,
120.0388, 163.9502

 4.8341, 0.8061,
2.4969

 217.9992,
151.6832, 203.7958

 2.1840, 0.0000,
0.8385

263.6057,

 0.7343, 0.0000,

188.4509, 249.6247

0.0000

315.1667,
230.7262, 301.8554

■ 0.0000, 0.0000,
0.0000

■ 48.9453, 25.2123,
39.8229

■ 48.9453, 25.2123,
39.8229

■ 47.5902, 23.9308,
34.9668

■ 50.9042, 27.5891,
45.2264

■ 47.2582, 23.6673,
33.6213

■ 53.5714, 31.2682,
51.2191

■ 57.0317, 36.4164,
57.8363

■ 61.3565, 43.1745,
65.1090

■ 66.6090, 51.6668,
73.0648

72.8462, 62.0051,
81.7294

80.1205, 74.2920,
91.1265

88.4802, 88.6223,
101.2786

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.



42.0717, 25.2123, 83.7438



48.9453, 25.2123, 39.8229



47.8420, 25.2123, 12.9451

Triad

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



48.9453, 25.2123, 39.8229



18.1382, 25.2123, 1.1979



13.2068, 25.2123, 95.6314

Complementary

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



48.9453, 25.2123, 39.8229



39.7192, 73.1762, 29.4915

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.



9.7431, 25.2123, 50.0504



48.9453, 25.2123, 39.8229



11.9787, 25.2123, 4.5597

Square

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



48.9453, 25.2123, 39.8229



27.9639, 25.2123, 0.9691



9.3690, 25.2123, 17.9516



20.3641, 25.2123, 128.3053

Rectangle

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



48.9453, 25.2123, 39.8229



42.7929, 25.2123, 5.0870



9.3690, 25.2123, 17.9516



11.6710, 25.2123, 80.2559

Sweetspot

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



48.9460, 25.2137, 39.8233



73.5598, 63.2009, 82.6804



26.0814, 12.1687, 95.5819



15.2498, 12.6999, 17.0314



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.



48.9460, 25.2137, 39.8233



47.2582, 23.6673, 33.6213



42.5719, 22.6641, 6.2579



18.4770, 18.1741, 21.1290



24.7688, 12.3968, 17.9646



2.4652, 1.2285, 2.0311

Inverse Universe

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



48.9460, 25.2137, 39.8233



47.2582, 23.6673, 33.6213



50.5452, 77.5066, 86.5004



18.4770, 18.1741, 21.1290



24.7688, 12.3968, 17.9646



2.4652, 1.2285, 2.0311

Previews

White Background



This preview shows how the XYZ color 48.9453, 25.2123, 39.8229 looks on a white background.

Color Contrast Check

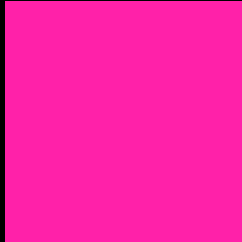
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9453, 25.2123, 39.8229 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 48.9453, 25.2123, 39.8229

Background



This preview shows how black text looks on a background with the XYZ color 48.9453, 25.2123, 39.8229.



This preview shows how white text looks on a background with the XYZ color 48.9453, 25.2123,

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

48.9453, 25.2123, 39.8229

Protanopia

28.4204, 25.7638, 82.8319

Deuteranopia

25.8520, 25.2696, 35.8627



Tritanopia

42.6543, 25.2825, 9.2885

Trichromacy



Original Color

48.9453, 25.2123, 39.8229



Protanomaly

29.3882, 20.2611, 64.6492



Deuteranomaly

30.3247, 21.2253, 36.6810



Tritanomaly

44.0570, 24.6395, 16.9018

Monochromacy



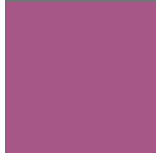
Original Color

48.9453, 25.2123, 39.8229



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

23.3476, 16.3533, 24.8476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9453, 25.2123, 39.8229 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 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, 33, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.9453, 25.2123, 39.8229 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, 169) }
```


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

```
.border{ border-color:rgb(255, 33, 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, 33, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9453, 25.2123, 39.8229 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, 169) }
```

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

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