

Converting Colors

XYZ(48.5436, 24.3601, 39.8397)

Have a look what the booklet for
XYZ(48.5436, 24.3601, 39.8397)
contains.

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Color

**XYZ(48.5100, 24.3417,
39.6778)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AA9
RGB	255, 10, 169
RGB Percent	100%, 4%, 66%
CMY	0.0000, 0.9605, 0.3373
CMYK	0.00, 0.96, 0.34, 0.00
HSL	321°, 100%, 52%
HSV	321°, 96%, 100%
XYZ	48.5100, 24.3417, 39.6778
YIQ	101.3810, 94.9810, 101.3890

Conversions

Conversions Part 2

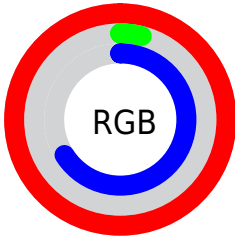
Format	Color
R_{YB}	255, 10, 169
Decimal	16714409
CIE _{Lab}	56.43, 87.39, -17.98
CIE _{LCh}	56, 89.217, 348.375
Yxy	24.3417, 0.4311, 0.2163
Android (android.graphics.Color)	4294904489 (0xFFFF0AA9)
YUV	101.3810, 33.3362, 134.7239
Hunter-Lab	49.3373, 89.1665, -13.1458

Details

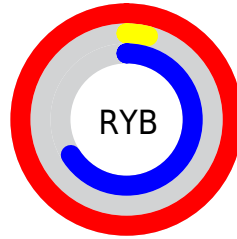
The XYZ color **48.5100, 24.3417, 39.6778** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.0002, 72.4306, 23.0592**, and the grayscale version is **12.3766, 13.0211, 14.1800**.

A 20% lighter version of the original color is **59.5448, 36.3423, 74.3974**, and **24.9491, 12.4908, 17.9256** is the 20% darker color. If you saturate the color by 10%, you get **48.0741, 23.9937, 37.9181**, and if you desaturate by 10%, it is **49.8890, 25.7080, 44.4278**.

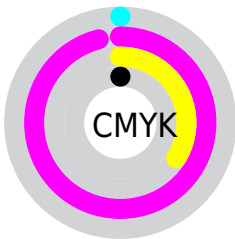
Distribution



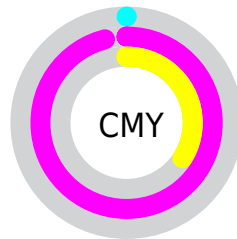
- Red (100%)
- Green (4%)
- Blue (66%)



- Red (100%)
- Yellow (4%)
- Blue (66%)



- Cyan (0%)
- Magenta (96%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5100, 24.3417, 39.6778 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 48.5100, 24.3417, 39.6778 by changing the saturation by 10% instead.

 48.5100, 24.3417,
39.6778


 48.5100, 24.3417,
39.6778


371.3591,
274.5435, 360.2753


 34.4439, 15.5873,
26.9755


 87.1684, 50.5872,
75.9043


 23.3993, 9.2326,
17.3226


 112.4913, 68.8471,
100.2657


 15.0109, 4.8932,
10.3004


 142.2973, 91.0443,
129.3505

 8.9134, 2.1847,
5.4904

 176.9515,
117.5632, 163.5773

 4.7414, 0.7117,
2.4740

 216.8195,
148.7882, 203.3647

 2.1295, 0.0000,
0.8263

262.2665,

 0.7052, 0.0000,

185.1036, 249.1311

0.0000

313.6579,
226.8939, 301.2951

■ 0.0000, 0.0000,
0.0000

■ 48.5100, 24.3417,
39.6778

■ 48.5100, 24.3417,
39.6778

■ 48.0741, 23.9937,
37.9181

■ 49.8890, 25.7080,
44.4278

■ 51.8718, 28.1881,
49.6684

■ 54.5609, 31.9851,
55.4393

■ 58.0381, 37.2611,
61.7729

■ 62.3738, 44.1551,
68.6977

67.6300, 52.7895,
76.2393

73.8629, 63.2753,
84.4213

81.1241, 75.7138,
93.2656

89.4612, 90.1992,
102.7927

Harmonies

Analogous

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



41.3559, 24.3417, 84.9778



48.5100, 24.3417, 39.6778



47.5265, 24.3417, 12.3269

Triad

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



48.5100, 24.3417, 39.6778



17.4297, 24.3417, 0.8825



12.3033, 24.3417, 95.6816

Complementary

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



48.5100, 24.3417, 39.6778



38.0002, 72.4306, 23.0592

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.



8.9558, 24.3417, 48.7471



48.5100, 24.3417, 39.6778



11.2509, 24.3417, 3.8447

Square

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



48.5100, 24.3417, 39.6778



27.3675, 24.3417, 0.6924



8.6386, 24.3417, 16.6260



19.3649, 24.3417, 130.1644

Rectangle

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



48.5100, 24.3417, 39.6778



42.4301, 24.3417, 4.5671



8.6386, 24.3417, 16.6260



10.8096, 24.3417, 79.7235

Sweetspot

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



48.5107, 24.3430, 39.6782



71.9219, 59.9872, 81.9427



22.9612, 9.9139, 95.3111



14.8260, 11.8840, 16.7926



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.



48.5107, 24.3430, 39.6782



48.0741, 23.9937, 37.9181



41.8584, 21.6821, 4.6475



18.5059, 18.1857, 21.2814



25.1932, 12.5666, 20.1998



2.5048, 1.2443, 2.2397

Inverse Universe

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



48.5107, 24.3430, 39.6782



48.0741, 23.9937, 37.9181



48.5749, 76.6605, 78.7446



18.5059, 18.1857, 21.2814



25.1932, 12.5666, 20.1998



2.5048, 1.2443, 2.2397

Previews

White Background



This preview shows how the XYZ color 48.5100, 24.3417, 39.6778 looks on a white background.

Color Contrast Check

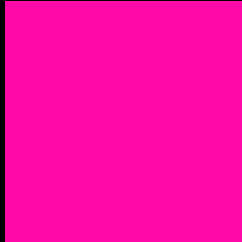
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5100, 24.3417, 39.6778 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 48.5100, 24.3417, 39.6778

Background



This preview shows how black text looks on a background with the XYZ color 48.5100, 24.3417, 39.6778.



This preview shows how white text looks on a background with the XYZ color 48.5100, 24.3417,

39.6778.

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

48.5100, 24.3417, 39.6778

Protanopia

28.1025, 25.1044, 86.5836

Deuteranopia

25.2065, 24.7326, 35.7931



Tritanopia

42.1796, 24.5962, 8.3188

Trichromacy



Original Color

48.5100, 24.3417, 39.6778



Protanomaly

27.7881, 18.0888, 66.3169



Deuteranomaly

29.0674, 19.4118, 36.3973



Tritanomaly

43.3622, 23.5038, 15.8869

Monochromacy



Original Color

48.5100, 24.3417, 39.6778



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

19.7376, 12.8087, 21.1707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5100, 24.3417, 39.6778 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, 10, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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, 10, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.5100, 24.3417, 39.6778 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, 10, 169) }
```


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

```
.border{ border-color:rgb(255, 10, 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, 10, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5100, 24.3417, 39.6778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 169) }
```

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

```
.background{ background-color: rgb(255, 10,  
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](#).

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