

Converting Colors

XYZ(48.5825, 24.3359, 40.1669)

Have a look what the booklet for
XYZ(48.5825, 24.3359, 40.1669)
contains.

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Color

**XYZ(48.5825, 24.3359,
40.1669)**

Conversions

Conversions Part 1

Format	Color
Hex	FF08AA
RGB	255, 8, 170
RGB Percent	100%, 3%, 67%
CMY	0.0000, 0.9684, 0.3333
CMYK	0.00, 0.97, 0.33, 0.00
HSL	321°, 100%, 52%
HSV	321°, 97%, 100%
XYZ	48.5825, 24.3359, 40.1669
YIQ	100.3210, 95.2100, 102.7460

Conversions

Conversions Part 2

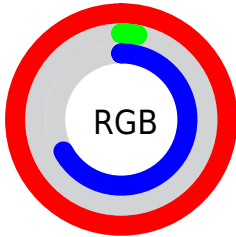
Format	Color
R_{YB}	255, 8, 170
Decimal	16713898
CIE _{Lab}	56.42, 87.61, -18.57
CIE _{LCh}	56, 89.557, 348.031
Yxy	24.3359, 0.4296, 0.2152
Android (android.graphics.Color)	4294903978 (0xFFFF08AA)
YUV	100.3210, 34.3517, 135.6535
Hunter-Lab	49.3314, 89.4601, -13.7434

Details

The XYZ color **48.5825, 24.3359, 40.1669** 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 **37.8393, 72.3634, 22.3428**, and the grayscale version is **12.1015, 12.7317, 13.8648**.

A 20% lighter version of the original color is **59.6809, 36.3967, 75.1139**, and **25.0082, 12.5145, 18.2370** is the 20% darker color. If you saturate the color by 10%, you get **48.2360, 24.0584, 38.7704**, and if you desaturate by 10%, it is **49.9137, 25.6247, 44.8453**.

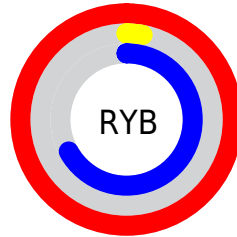
Distribution



Red (100%)

Green (3%)

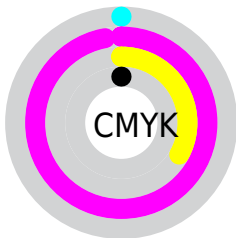
Blue (67%)



Red (100%)

Yellow (3%)

Blue (67%)

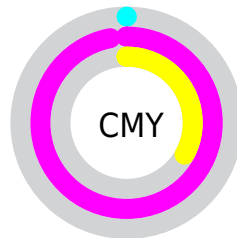


Cyan (0%)

Magenta (97%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (97%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5825, 24.3359, 40.1669 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 48.5825, 24.3359, 40.1669 by changing the saturation by 10% instead.

 48.5825, 24.3359,
40.1669


 48.5825, 24.3359,
40.1669

371.6407,
274.5143, 362.3995

 34.5016, 15.5830,
27.3539


 87.2755, 50.5778,
76.6575


 23.4439, 9.2295,
17.6044


 112.6183, 68.8355,
101.1721


 15.0441, 4.8912,
10.4999


 142.4458, 91.0304,
130.4244

 8.9369, 2.1836,
5.6217

 177.1233,
117.5467, 164.8329

 4.7568, 0.7110,
2.5514

 217.0162,
148.7688, 204.8161

 2.1386, 0.0000,
0.8672

262.4898,

 0.7101, 0.0000,

185.0812, 250.7926

0.0000

313.9095,
226.8682, 303.1809

■ 0.0000, 0.0000,
0.0000

■ 48.5825, 24.3359,
40.1669

■ 48.5825, 24.3359,
40.1669

■ 48.2360, 24.0584,
38.7704

■ 49.9137, 25.6247,
44.8453

■ 51.8362, 28.0057,
49.9994

■ 54.4556, 31.6885,
55.6695

■ 57.8550, 36.8378,
61.8882

■ 62.1054, 43.5937,
68.6839

67.2693, 52.0801,
76.0822

73.4033, 62.4085,
84.1063

80.5591, 74.6810,
92.7780

88.7848, 88.9921,
102.1176

Harmonies

Analogous

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



41.3139, 24.3359, 85.8346



48.5825, 24.3359, 40.1669



47.6942, 24.3359, 12.4777

Triad

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



48.5825, 24.3359, 40.1669



17.4994, 24.3359, 0.8475



12.2085, 24.3359, 95.5118

Complementary

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



48.5825, 24.3359, 40.1669



37.8393, 72.3634, 22.3428

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.



8.8950, 24.3359, 48.3535



48.5825, 24.3359, 40.1669



11.2617, 24.3359, 3.7338

Square

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



48.5825, 24.3359, 40.1669



27.5094, 24.3359, 0.6761



8.6100, 24.3359, 16.3456



19.2429, 24.3359, 130.5582

Rectangle

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



48.5825, 24.3359, 40.1669



42.6217, 24.3359, 4.6068



8.6100, 24.3359, 16.3456



10.7263, 24.3359, 79.4311

Sweetspot

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



48.5832, 24.3372, 40.1673



71.9932, 60.0158, 82.3185



22.3903, 9.5874, 95.2782



14.8432, 11.8909, 16.8829



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.



48.5832, 24.3372, 40.1673



48.2360, 24.0584, 38.7704



41.8864, 21.6585, 4.9026



18.5114, 18.1879, 21.3104



25.2773, 12.6002, 20.6427



2.5126, 1.2474, 2.2807

Inverse Universe

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



48.5832, 24.3372, 40.1673



48.2360, 24.0584, 38.7704



47.9785, 76.4190, 75.7350



18.5114, 18.1879, 21.3104



25.2773, 12.6002, 20.6427



2.5126, 1.2474, 2.2807

Previews

White Background



This preview shows how the XYZ color 48.5825, 24.3359, 40.1669 looks on a white background.

Color Contrast Check

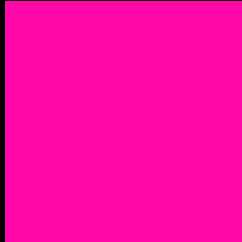
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5825, 24.3359, 40.1669 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 48.5825, 24.3359, 40.1669

Background



This preview shows how black text looks on a background with the XYZ color 48.5825, 24.3359, 40.1669.



This preview shows how white text looks on a background with the XYZ color 48.5825, 24.3359,

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

48.5825, 24.3359, 40.1669

Protanopia

28.3115, 25.1774, 88.1616

Deuteranopia

25.2065, 24.7326, 35.7931



Tritanopia

41.8240, 24.4130, 8.3022

Trichromacy



Original Color

48.5825, 24.3359, 40.1669



Protanomaly

27.9170, 18.1404, 66.9958



Deuteranomaly

29.0674, 19.4118, 36.3973



Tritanomaly

43.3622, 23.5038, 15.8869

Monochromacy



Original Color

48.5825, 24.3359, 40.1669



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

19.4191, 12.5629, 20.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5825, 24.3359, 40.1669 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, 8, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 170)  
}
```

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, 8, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.5825, 24.3359, 40.1669 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, 8, 170) }
```


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

```
.border{ border-color:rgb(255, 8, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5825, 24.3359, 40.1669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 170) }
```

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

```
.background{ background-color: rgb(255, 8,  
170) }
```

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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