

Converting Colors

XYZ(103.8217, 53.0288,
41.0625)

Have a look what the booklet for
XYZ(103.8217, 53.0288, 41.0625)
contains.

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Color

**XYZ(48.3392, 24.4458,
38.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	FF12A6
RGB	255, 18, 166
RGB Percent	100%, 7%, 65%
CMY	0.0000, 0.9292, 0.3490
CMYK	0.00, 0.93, 0.35, 0.00
HSL	323°, 100%, 54%
HSV	323°, 93%, 100%
XYZ	48.3392, 24.4458, 38.2471
YIQ	105.7350, 93.7440, 96.2720

Conversions

Conversions Part 2

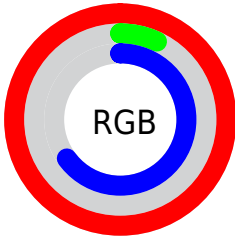
Format	Color
R_{YB}	255, 18, 166
Decimal	16716454
CIE _{Lab}	56.53, 86.47, -16.06
CIE _{LCh}	57, 87.952, 349.478
Yxy	24.4458, 0.4354, 0.2202
Android (android.graphics.Color)	4294906534 (0xFFFF12A6)
YUV	105.7350, 29.7106, 130.9054
Hunter-Lab	49.4427, 87.9914, -11.2547

Details

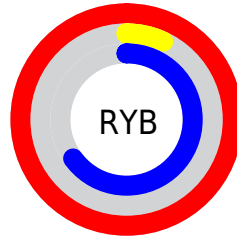
The XYZ color **48.3392, 24.4458, 38.2471** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.6663, 72.7114, 25.9185**, and the grayscale version is **13.5371, 14.2421, 15.5096**.

A 20% lighter version of the original color is **59.3427, 36.5836, 72.3402**, and **24.7755, 12.4214, 17.0113** is the 20% darker color. If you saturate the color by 10%, you get **47.5174, 23.7710, 34.9864**, and if you desaturate by 10%, it is **49.9185, 26.1454, 43.2712**.

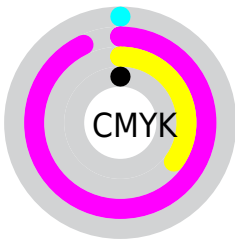
Distribution



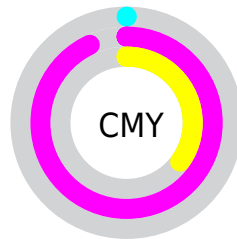
- Red (100%)
- Green (7%)
- Blue (65%)



- Red (100%)
- Yellow (7%)
- Blue (65%)



- Cyan (0%)
- Magenta (93%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3392, 24.4458, 38.2471 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 48.3392, 24.4458, 38.2471 by changing the saturation by 10% instead.

 48.3392, 24.4458,
38.2471


 48.3392, 24.4458,
38.2471

370.6953,
275.0666, 354.0087


 34.3080, 15.6646,
25.8712


 86.9159, 50.7567,
73.6943


 23.2943, 9.2872,
16.5024


 112.1920, 69.0553,
97.6028


 14.9328, 4.9290,
9.7222


 141.9471, 91.2950,
126.1925

 8.8583, 2.2056,
5.1120

 176.5466,
117.8605, 159.8819

 4.7052, 0.7231,
2.2532

 216.3558,
149.1360, 199.0898

 2.1083, 0.0000,
0.7048

261.7401,

 0.6937, 0.0000,

185.5059, 244.2345

0.0000

313.0648,
227.3546, 295.7346

■ 0.0000, 0.0000,
0.0000

■ 48.3392, 24.4458,
38.2471

■ 48.3392, 24.4458,
38.2471

■ 47.5174, 23.7710,
34.9864

■ 49.9185, 26.1454,
43.2712

■ 52.1441, 29.0309,
48.8403

■ 55.1113, 33.2904,
54.9927

■ 58.8980, 39.0778,
61.7609

■ 63.5719, 46.5265,
69.1736

69.1932, 55.7549,
77.2569

75.8168, 66.8709,
86.0350

83.4932, 79.9736,
95.5305

92.2693, 95.1550,
105.7646

Harmonies

Analogous

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



41.5562, 24.4458, 82.3224



48.3392, 24.4458, 38.2471



47.0592, 24.4458, 11.9395

Triad

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



48.3392, 24.4458, 38.2471



17.2906, 24.4458, 1.0182



12.6808, 24.4458, 96.1983

Complementary

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



48.3392, 24.4458, 38.2471



38.6663, 72.7114, 25.9185

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.



9.2174, 24.4458, 50.0780



48.3392, 24.4458, 38.2471



11.2892, 24.4458, 4.2622

Square

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



48.3392, 24.4458, 38.2471



27.0033, 24.4458, 0.7687



8.7961, 24.4458, 17.6221



19.8347, 24.4458, 128.8148

Rectangle

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



48.3392, 24.4458, 38.2471



41.8958, 24.4458, 4.4977



8.7961, 24.4458, 17.6221



11.1477, 24.4458, 80.6681

Sweetspot

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



48.3399, 24.4472, 38.2475



72.3265, 60.9866, 81.4913



24.0841, 10.6529, 95.3945



14.8903, 12.0670, 16.6463



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.



48.3399, 24.4472, 38.2475



47.5174, 23.7710, 34.9865



42.0249, 21.9212, 4.9930



18.4864, 18.1779, 21.1786



24.9037, 12.4508, 18.6752



2.4778, 1.2335, 2.0977

Inverse Universe

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



48.3399, 24.4472, 38.2475



47.5174, 23.7710, 34.9865



49.3843, 76.9986, 82.3585



18.4864, 18.1779, 21.1786



24.9037, 12.4508, 18.6752



2.4778, 1.2335, 2.0977

Previews

White Background



This preview shows how the XYZ color 48.3392, 24.4458, 38.2471 looks on a white background.

Color Contrast Check

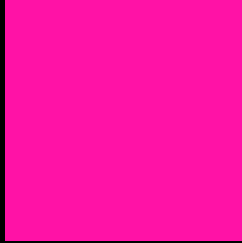
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3392, 24.4458, 38.2471 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 48.3392, 24.4458, 38.2471

Background



This preview shows how black text looks on a background with the XYZ color 48.3392, 24.4458, 38.2471.



This preview shows how white text looks on a background with the XYZ color 48.3392, 24.4458,

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

48.3392, 24.4458, 38.2471

Protanopia

27.8422, 25.0553, 82.7256

Deuteranopia

25.2884, 24.8043, 34.4652



Tritanopia

42.1796, 24.5962, 8.3188

Trichromacy



Original Color

48.3392, 24.4458, 38.2471



Protanomaly

28.2615, 18.7646, 63.7604



Deuteranomaly

29.2905, 19.9305, 35.1041



Tritanomaly

43.4318, 23.7258, 15.6550

Monochromacy



Original Color

48.3392, 24.4458, 38.2471



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.8423, 13.9297, 22.0123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3392, 24.4458, 38.2471 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, 18, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 166)  
}
```

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, 18, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 166) }
```

Border

The CSS property to change the border of an element to XYZ 48.3392, 24.4458, 38.2471 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, 18, 166) }
```


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

```
.border{ border-color:rgb(255, 18, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3392, 24.4458, 38.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 166) }
```

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

```
.background{ background-color: rgb(255, 18,  
166) }
```

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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