

Converting Colors

XYZ(48.0586, 24.4289, 36.4753)

Have a look what the booklet for
XYZ(48.0586, 24.4289, 36.4753)
contains.

| | |
|--|----|
| XYZ(48.0298, 24.4050, 36.3616) | 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(48.0298, 24.4050,
36.3616)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF15A2 |
| RGB | 255, 21, 162 |
| RGB Percent | 100%, 8%, 64% |
| CMY | 0.0000, 0.9175, 0.3647 |
| CMYK | 0.00, 0.92, 0.36, 0.00 |
| HSL | 324°, 100%, 54% |
| HSV | 324°, 92%, 100% |
| XYZ | 48.0298, 24.4050, 36.3616 |
| YIQ | 107.0400, 94.2030, 93.4590 |

Conversions

Conversions Part 2

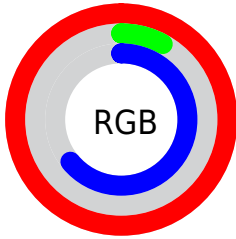
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 21, 162 |
| Decimal | 16717218 |
| CIE _{Lab} | 56.49, 85.79, -13.77 |
| CIE _{LCh} | 56, 86.892, 350.879 |
| Yxy | 24.4050, 0.4415, 0.2243 |
| Android (android.graphics.Color) | 4294907298 (0xFFFF15A2) |
| YUV | 107.0400, 27.0953, 129.7609 |
| Hunter-Lab | 49.4014, 87.0915, -9.0590 |

Details

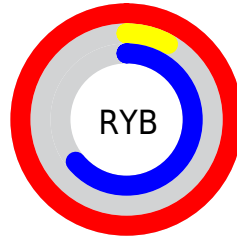
The XYZ color **48.0298, 24.4050, 36.3616** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.1094, 72.8956, 27.9397**, and the grayscale version is **13.9008, 14.6248, 15.9264**.

A 20% lighter version of the original color is **58.8160, 36.3729, 69.5664**, and **24.5527, 12.3323, 15.8381** is the 20% darker color. If you saturate the color by 10%, you get **47.0426, 23.5810, 32.4862**, and if you desaturate by 10%, it is **49.6976, 26.2401, 41.5440**.

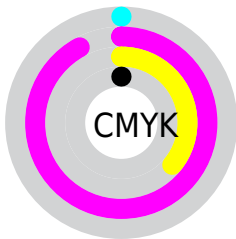
Distribution



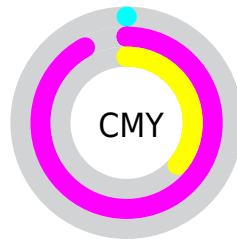
- Red (100%)
- Green (8%)
- Blue (64%)



- Red (100%)
- Yellow (8%)
- Blue (64%)



- Cyan (0%)
- Magenta (92%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0298, 24.4050, 36.3616 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 48.0298, 24.4050, 36.3616 by changing the saturation by 10% instead.


 48.0298, 24.4050,
36.3616


 48.0298, 24.4050,
36.3616


369.4909,
274.8617, 345.6234


 34.0618, 15.6343,
24.4217


 86.4582, 50.6903,
70.7651


 23.1042, 9.2658,
15.4316


 111.6493, 68.9737,
94.0659


 14.7916, 4.9149,
8.9729


 141.3123, 91.1968,
121.9906

 8.7586, 2.1974,
4.6269

 175.8123,
117.7440, 154.9579

 4.6399, 0.7186,
1.9752

 215.5148,
148.9997, 193.3862

 2.0701, 0.0000,
0.5400

260.7852,

 0.6729, 0.0000,

185.3483, 237.6943

0.0000

311.9888,
227.1741, 288.3005

■ 0.0000, 0.0000,
0.0000

■ 48.0298, 24.4050,
36.3616

■ 48.0298, 24.4050,
36.3616

■ 47.0426, 23.5810,
32.4862

■ 49.6976, 26.2401,
41.5440

■ 52.0315, 29.2883,
47.3147

■ 55.1243, 33.7330,
53.7128

■ 59.0530, 39.7254,
60.7715

■ 63.8842, 47.3968,
68.5204

69.6780, 56.8645,
76.9867

76.4887, 68.2352,
86.1955

84.3666, 81.6072,
96.1704

93.3586, 97.0720,
106.9338

Harmonies

Analogous

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



41.6818, 24.4050, 79.1236



48.0298, 24.4050, 36.3616



46.3820, 24.4050, 11.3103

Triad

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



48.0298, 24.4050, 36.3616



16.9602, 24.4050, 1.1435



13.0032, 24.4050, 96.9315

Complementary

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



48.0298, 24.4050, 36.3616



39.1094, 72.8956, 27.9397

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.



9.4063, 24.4050, 51.6241



48.0298, 24.4050, 36.3616



11.1889, 24.4050, 4.7004

Square

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



48.0298, 24.4050, 36.3616



26.4009, 24.4050, 0.8113



8.8552, 24.4050, 18.7204



20.2620, 24.4050, 127.4514

Rectangle

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



48.0298, 24.4050, 36.3616



41.1199, 24.4050, 4.3016



8.8552, 24.4050, 18.7204



11.4254, 24.4050, 81.8519

Sweetspot

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



48.0305, 24.4064, 36.3620



72.1100, 60.9000, 80.3516



24.8396, 11.1193, 95.4448



14.8382, 12.0461, 16.3717



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.



48.0305, 24.4064, 36.3620



47.0426, 23.5810, 32.4862



42.0493, 22.0139, 4.8653



18.4690, 18.1709, 21.0869



24.6565, 12.3519, 17.3733



2.4546, 1.2242, 1.9755

Inverse Universe

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



48.0305, 24.4064, 36.3620



47.0426, 23.5810, 32.4862



50.0326, 77.2649, 85.4604



18.4690, 18.1709, 21.0869



24.6565, 12.3519, 17.3733



2.4546, 1.2242, 1.9755

Previews

White Background



This preview shows how the XYZ color 48.0298, 24.4050, 36.3616 looks on a white background.

Color Contrast Check

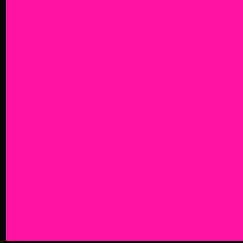
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0298, 24.4050, 36.3616 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 48.0298, 24.4050, 36.3616

Background



This preview shows how black text looks on a background with the XYZ color 48.0298, 24.4050, 36.3616.



This preview shows how white text looks on a background with the XYZ color 48.0298, 24.4050,

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

48.0298, 24.4050, 36.3616

Protanopia

27.3898, 24.9211, 78.2296

Deuteranopia

24.9925, 24.4877, 32.6875



Tritanopia

42.0893, 24.4658, 8.1342

Trichromacy



Original Color

48.0298, 24.4050, 36.3616



Protanomaly

27.9835, 18.8344, 59.9181



Deuteranomaly

29.2720, 20.0881, 33.3449



Tritanomaly

43.3724, 23.7697, 15.1340

Monochromacy



Original Color

48.0298, 24.4050, 36.3616



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

21.1131, 14.2783, 21.7219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0298, 24.4050, 36.3616 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, 21, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 162)  
}
```

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, 21, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 162) }
```

Border

The CSS property to change the border of an element to XYZ 48.0298, 24.4050, 36.3616 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, 21, 162) }
```


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

```
.border{ border-color:rgb(255, 21, 162) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0298, 24.4050, 36.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 162) }
```

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

```
.background{ background-color: rgb(255, 21,  
162) }
```

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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