

Converting Colors

XYZ(48.7493, 25.1338, 38.7915)

Have a look what the booklet for
XYZ(48.7493, 25.1338, 38.7915)
contains.

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Color

**XYZ(48.7589, 25.1377,
38.8414)**

Conversions

Conversions Part 1

Format	Color
Hex	FF21A7
RGB	255, 33, 167
RGB Percent	100%, 13%, 65%
CMY	0.0000, 0.8705, 0.3451
CMYK	0.00, 0.87, 0.35, 0.00
HSL	324°, 100%, 56%
HSV	324°, 87%, 100%
XYZ	48.7589, 25.1377, 38.8414
YIQ	114.6540, 89.2980, 88.7380

Conversions

Conversions Part 2

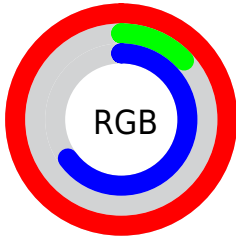
Format	Color
RYB	255, 33, 167
Decimal	16720295
CIELab	57.21, 84.70, -15.62
CIELCh	57, 86.130, 349.551
Yxy	25.1377, 0.4325, 0.2230
Android (android.graphics.Color)	4294910375 (0xFFFF21A7)
YUV	114.6540, 25.8066, 123.0834
Hunter-Lab	50.1375, 85.8512, -10.8356

Details

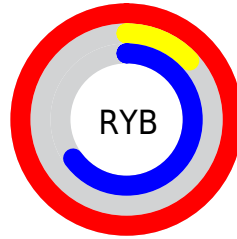
The XYZ color **48.7589, 25.1377, 38.8414** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **39.8406, 73.2248, 30.1307**, and the grayscale version is **16.1004, 16.9389, 18.4465**.

A 20% lighter version of the original color is **60.0007, 37.6858, 73.2189**, and **25.0868, 12.5753, 17.3247** is the 20% darker color. If you saturate the color by 10%, you get **47.3982, 23.8539, 33.9557**, and if you desaturate by 10%, it is **50.7263, 27.5179, 44.2902**.

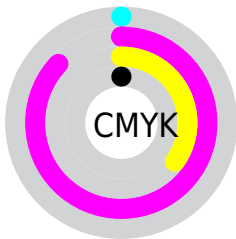
Distribution



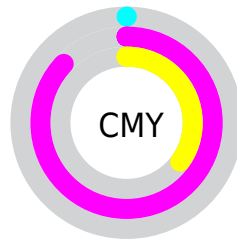
- Red (100%)
- Green (13%)
- Blue (65%)



- Red (100%)
- Yellow (13%)
- Blue (65%)



- Cyan (0%)
- Magenta (87%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (87%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7589, 25.1377, 38.8414 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 48.7589, 25.1377, 38.8414 by changing the saturation by 10% instead.


 48.7589, 25.1377,
38.8414

 48.7589, 25.1377,
38.8414

372.3251,
278.5230, 356.6215

 34.6420, 16.1797,
26.3295


 87.5361, 51.8805,
74.6136


 23.5525, 9.6514,
16.8423


 112.9272, 70.4341,
98.7110

 15.1249, 5.1684,
9.9614


 142.8070, 92.9550,
127.5074

 8.9940, 2.3464,
5.2681

 177.5410,
119.8276, 161.4211

 4.7943, 0.7981,
2.3439

 217.4944,
151.4363, 200.8709

 2.1606, 0.0000,
0.7557

263.0327,

 0.7219, 0.0000,

188.1655, 246.2752

0.0000

314.5211,
230.3996, 298.0526

■ 0.0000, 0.0000,
0.0000

■ 48.7589, 25.1377,
38.8414

■ 48.7589, 25.1377,
38.8414

■ 47.3982, 23.8539,
33.9557

■ 50.7263, 27.5179,
44.2902

■ 47.0651, 23.5900,
32.6046

■ 53.4053, 31.2016,
50.3443

■ 56.8804, 36.3557,
57.0399

■ 61.2233, 43.1211,
64.4084

■ 66.4974, 51.6219,
72.4780

72.7597, 61.9702,
81.2748

80.0627, 74.2686,
90.8231

88.4548, 88.6118,
101.1459

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.



42.0873, 25.1377, 82.1884



48.7589, 25.1377, 38.8414



47.4774, 25.1377, 12.5759

Triad

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



48.7589, 25.1377, 38.8414



17.9253, 25.1377, 1.2451



13.3149, 25.1377, 95.9827

Complementary

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



48.7589, 25.1377, 38.8414



39.8406, 73.2248, 30.1307

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.



9.7918, 25.1377, 50.7291



48.7589, 25.1377, 38.8414



11.8828, 25.1377, 4.7376

Square

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



48.7589, 25.1377, 38.8414



27.6192, 25.1377, 0.9742



9.3551, 25.1377, 18.4149



20.5173, 25.1377, 127.7189

Rectangle

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



48.7589, 25.1377, 38.8414



42.3752, 25.1377, 4.9495



9.3551, 25.1377, 18.4149



11.7596, 25.1377, 80.7973

Sweetspot

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



48.7596, 25.1391, 38.8418



73.4764, 63.1676, 82.2411



26.0813, 12.1686, 95.5819



15.2299, 12.6919, 16.9270



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.



48.7596, 25.1391, 38.8418



47.0651, 23.5900, 32.6046



42.5719, 22.6640, 6.2578



18.4698, 18.1712, 21.0913



24.6682, 12.3566, 17.4350



2.4557, 1.2247, 1.9813

Inverse Universe

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



48.7596, 25.1391, 38.8418



47.0651, 23.5900, 32.6046



50.5452, 77.5066, 86.5003



18.4698, 18.1712, 21.0913



24.6682, 12.3566, 17.4350



2.4557, 1.2247, 1.9813

Previews

White Background



This preview shows how the XYZ color 48.7589, 25.1377, 38.8414 looks on a white background.

Color Contrast Check

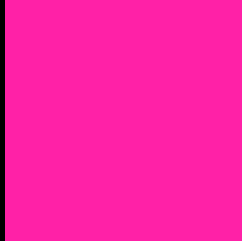
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7589, 25.1377, 38.8414 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 48.7589, 25.1377, 38.8414

Background



This preview shows how black text looks on a background with the XYZ color 48.7589, 25.1377, 38.8414.



This preview shows how white text looks on a background with the XYZ color 48.7589, 25.1377,

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

48.7589, 25.1377, 38.8414

Protanopia

28.1958, 25.6979, 80.5649

Deuteranopia

25.8535, 25.2901, 34.9713



Tritanopia

42.5562, 25.1406, 9.0882

Trichromacy



Original Color

48.7589, 25.1377, 38.8414



Protanomaly

29.2027, 20.2088, 62.6831



Deuteranomaly

30.3870, 21.2778, 35.7632



Tritanomaly

43.9536, 24.5182, 16.6032

Monochromacy



Original Color

48.7589, 25.1377, 38.8414



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

23.2775, 16.3252, 24.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7589, 25.1377, 38.8414 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 167) }
```

Border

The CSS property to change the border of an element to XYZ 48.7589, 25.1377, 38.8414 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, 167) }
```


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

```
.border{ border-color:rgb(255, 33, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7589, 25.1377, 38.8414 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, 167) }
```

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

```
.background{ background-color: rgb(255, 33,  
167) }
```

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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