

Converting Colors

XYZ(48.8777, 32.0788, 52.4980)

Have a look what the booklet for
XYZ(48.8777, 32.0788, 52.4980)
contains.

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Color

**XYZ(48.9178, 32.1050,
52.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	EB6CBE
RGB	235, 108, 190
RGB Percent	92%, 42%, 75%
CMY	0.0784, 0.5764, 0.2549
CMYK	0.00, 0.54, 0.19, 0.08
HSL	321°, 76%, 67%
HSV	321°, 54%, 92%
XYZ	48.9178, 32.1050, 52.3338
YIQ	155.3210, 49.3700, 52.4260

Conversions

Conversions Part 2

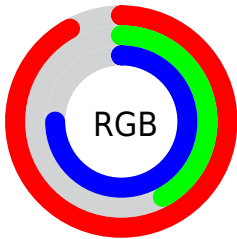
Format	Color
R _Y B	235, 108, 190
Decimal	15428798
CIE Lab	63.43, 58.33, -19.72
CIE LCh	63, 61.568, 341.322
Yxy	32.1050, 0.3668, 0.2407
Android (android.graphics.Color)	4293618878 (0xFFEB6CBE)
YUV	155.3210, 17.0967, 69.8785
Hunter-Lab	56.6613, 54.9485, -15.0989

Details

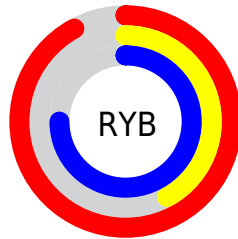
The XYZ color **48.9178, 32.1050, 52.3338** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **41.6440, 64.9058, 40.4732**, and the grayscale version is **31.2103, 32.8357, 35.7580**.

A 20% lighter version of the original color is **71.1500, 54.4647, 93.9515**, and **23.5323, 13.3753, 24.6340** is the 20% darker color. If you saturate the color by 10%, you get **45.8808, 27.4458, 46.9586**, and if you desaturate by 10%, it is **52.6766, 38.1237, 58.2068**.

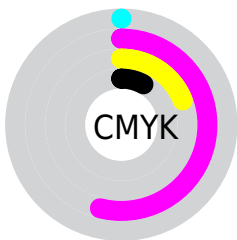
Distribution



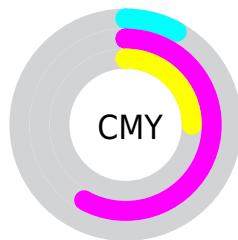
- Red (92%)
- Green (42%)
- Blue (75%)



- Red (92%)
- Yellow (42%)
- Blue (75%)



- Cyan (0%)
- Magenta (54%)
- Yellow (19%)
- Black (8%)





- Cyan (8%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9178, 32.1050, 52.3338 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 48.9178, 32.1050, 52.3338 by changing the saturation by 10% instead.

 48.9178, 32.1050,
52.3338


 48.9178, 32.1050,
52.3338


372.9410,
311.5973, 412.7175


 34.7685, 21.4417,
36.8871


 87.7708, 62.9757,
95.0549


 23.6503, 13.4473,
24.8250


 113.2053, 83.9518,
123.1665

 15.1978, 7.7372,
15.7289


 143.1322,
109.1344, 156.3367

 9.0455, 3.9273,
9.1802

 177.9169,
138.9078, 194.9842

 4.8282, 1.6330,
4.7605

217.9248,
173.6564, 239.5275

 2.1805, 0.3797,
2.0512

263.5212,

 0.7325, 0.0000,

213.7645, 290.3851

0.5865

315.0715,
259.6167, 347.9756

■ 0.0000, 0.0000,
0.0000

■ 48.9178, 32.1050,
52.3338

■ 48.9178, 32.1050,
52.3338

■ 45.8808, 27.4458,
46.9586

■ 52.6766, 38.1237,
58.2068

■ 43.5067, 24.0310,
42.0564

■ 57.2040, 45.5954,
64.5964

■ 41.7319, 21.7345,
37.6020


■ 62.5461, 54.6106,
71.5224


■ 40.4778, 20.4003,
33.5647


■ 68.7444, 65.2511,
79.0025

■ 39.9065, 19.9204,
31.3311

■ 75.8376, 77.5929,
87.0535

 83.8619, 91.7072,
95.6912

 87.0097, 95.9777,
102.9836

 88.0712, 96.4023,
108.5734

Harmonies

Analogous

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



42.7265, 32.1050, 83.6650



48.9178, 32.1050, 52.3338



49.6704, 32.1050, 26.4938

Triad

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



48.9178, 32.1050, 52.3338



27.3957, 32.1050, 6.1120



19.7460, 32.1050, 76.2430

Complementary

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



48.9178, 32.1050, 52.3338



41.6440, 64.9058, 40.4732

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.



17.0519, 32.1050, 45.0539



48.9178, 32.1050, 52.3338



20.8845, 32.1050, 10.1585

Square

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



48.9178, 32.1050, 52.3338



36.0963, 32.1050, 6.6147



17.4254, 32.1050, 21.9277



25.5406, 32.1050, 101.3432

Rectangle

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



48.9178, 32.1050, 52.3338



46.8489, 32.1050, 15.7295



17.4254, 32.1050, 21.9277



18.5015, 32.1050, 65.6403

Sweetspot

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



48.9188, 32.1066, 52.3344



81.1461, 75.7780, 93.2111



33.3929, 23.4441, 81.3630



17.0294, 15.6357, 19.5467



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.



48.9188, 32.1066, 52.3344



54.8274, 32.4441, 55.7565



43.4589, 29.9226, 23.5829



15.4750, 15.2179, 17.7869



22.2725, 11.1117, 17.7682



1.7944, 0.8907, 1.6345

Inverse Universe

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



48.9188, 32.1066, 52.3344



54.8274, 32.4441, 55.7565



48.2821, 67.5610, 75.4288



15.4750, 15.2179, 17.7869



22.2725, 11.1117, 17.7682



1.7944, 0.8907, 1.6345

Previews

White Background



This preview shows how the XYZ color 48.9178, 32.1050, 52.3338 looks on a white background.

Color Contrast Check

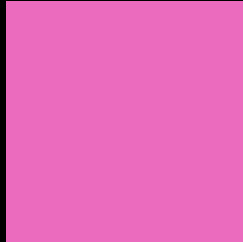
Large Text (above 18pt) WCAG AA × Fail

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 48.9178, 32.1050, 52.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

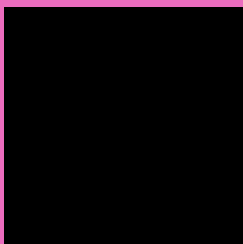
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9178, 32.1050, 52.3338

Background



This preview shows how black text looks on a background with the XYZ color 48.9178, 32.1050, 52.3338.

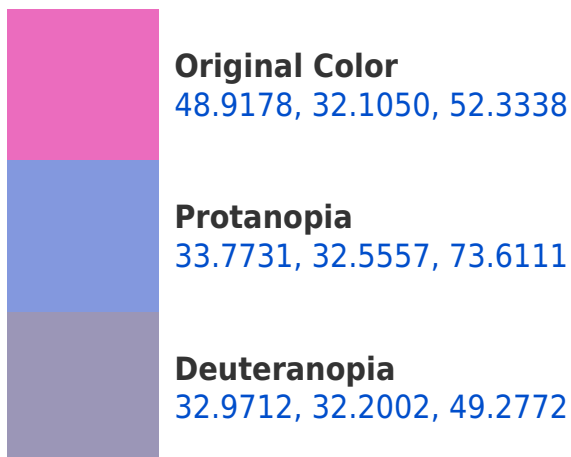


This preview shows how white text looks on a background with the XYZ color 48.9178, 32.1050,

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





Tritanopia

43.1797, 31.9445, 25.0092

Trichromacy



Original Color

48.9178, 32.1050, 52.3338



Protanomaly

36.7992, 30.6965, 64.9583



Deuteranomaly

37.2941, 31.0635, 50.4846



Tritanomaly

44.8679, 31.7467, 33.4687

Monochromacy



Original Color

48.9178, 32.1050, 52.3338



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

35.9235, 31.1945, 41.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9178, 32.1050, 52.3338 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(235, 108, 190)` looks like.

```
.text, #text, p{  
    color:rgb(235, 108, 190)  
}
```

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(235, 108, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 108, 190) }
```

Border

The CSS property to change the border of an element to XYZ 48.9178, 32.1050, 52.3338 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(235, 108, 190) }
```


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

```
.border{ border-color:rgb(235, 108, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 108, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 108, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 108, 190);  
box-shadow:4px 4px 4px 4px rgb(235, 108,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9178, 32.1050, 52.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 108, 190) }
```

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

```
.background{ background-color: rgb(235,  
108, 190) }
```

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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