

Converting Colors

XYZ(48.7477, 25.9824, 58.2185)

Have a look what the booklet for
XYZ(48.7477, 25.9824, 58.2185)
contains.

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Color

**XYZ(48.6928, 25.9699,
58.3234)**

Conversions

Conversions Part 1

Format	Color
Hex	F238CA
RGB	242, 56, 202
RGB Percent	95%, 22%, 79%
CMY	0.0510, 0.7803, 0.2078
CMYK	0.00, 0.77, 0.17, 0.05
HSL	313°, 88%, 58%
HSV	313°, 77%, 95%
XYZ	48.6928, 25.9699, 58.3234
YIQ	128.2580, 63.9900, 84.8380

Conversions

Conversions Part 2

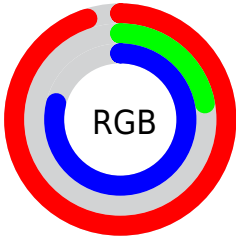
Format	Color
R _Y B	242, 56, 202
Decimal	15874250
CIE _{Lab}	58.01, 81.08, -34.83
CIE _{LCh}	58, 88.240, 336.754
Yxy	25.9699, 0.3661, 0.1953
Android (android.graphics.Color)	4294064330 (0xFFFF238CA)
YUV	128.2580, 36.3548, 99.7517
Hunter-Lab	50.9607, 81.3752, -32.1837

Details

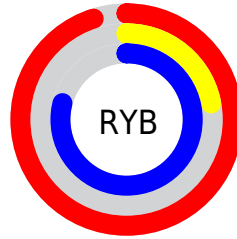
The XYZ color **48.6928, 25.9699, 58.3234** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.4958, 65.1906, 21.7816**, and the grayscale version is **20.4717, 21.5378, 23.4546**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **24.3225, 11.9303, 28.6246** is the 20% darker color. If you saturate the color by 10%, you get **47.1843, 23.9222, 54.8312**, and if you desaturate by 10%, it is **50.7900, 29.1609, 62.1147**.

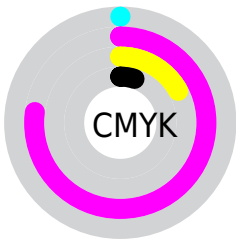
Distribution



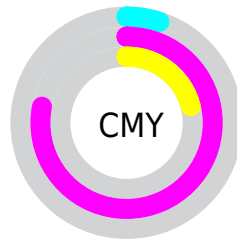
- Red (95%)
- Green (22%)
- Blue (79%)



- Red (95%)
- Yellow (22%)
- Blue (79%)



- Cyan (0%)
- Magenta (77%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (78%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6928, 25.9699, 58.3234 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 48.6928, 25.9699, 58.3234 by changing the saturation by 10% instead.


 48.6928, 25.9699,
58.3234


 48.6928, 25.9699,
58.3234

372.0687,
282.6343, 436.0218


 34.5894, 16.8011,
41.6523


 87.4385, 53.2264,
103.9131

 23.5118, 10.0928,
28.5056


 112.8115, 72.0829,
133.6687


 15.0946, 5.4605,
18.4648


 142.6717, 94.9374,
168.6229

 8.9726, 2.5199,
11.1113

 177.3845,
122.1744, 209.1943

 4.7803, 0.8866,
6.0266

 217.3153,
154.1781, 255.8013

 2.1523, 0.0000,
2.7922

262.8293,

 0.7174, 0.0000,

191.3331, 308.8625

0.9895

314.2920,
234.0237, 368.7965

■ 0.0000, 0.0000,
0.0000

■ 48.6928, 25.9699,
58.3234

■ 48.6928, 25.9699,
58.3234

■ 47.1843, 23.9222,
54.8312

■ 50.7900, 29.1609,
62.1147

■ 46.1700, 22.8303,
51.6052

■ 53.5456, 33.6354,
66.2289

■ 45.9074, 22.5931,
50.6301

■ 57.0220, 39.5178,
70.6878

■ 61.2737, 46.9165,
75.5106

■ 66.3498, 55.9295,
80.7146

72.2951, 66.6462,
86.3157

79.1515, 79.1499,
92.3287

86.9578, 93.5180,
98.7676

89.4525, 97.2271,
103.5459

Harmonies

Analogous

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



39.0813, 25.9699, 106.1289



48.6928, 25.9699, 58.3234



51.1240, 25.9699, 21.9232

Triad

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



48.6928, 25.9699, 58.3234



22.3520, 25.9699, 0.8660



11.6406, 25.9699, 79.9091

Complementary

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



48.6928, 25.9699, 58.3234



35.4958, 65.1906, 21.7816

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.



9.4184, 25.9699, 35.7527



48.6928, 25.9699, 58.3234



14.3435, 25.9699, 2.5076

Square

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



48.6928, 25.9699, 58.3234



33.6825, 25.9699, 1.3706



10.2412, 25.9699, 10.8683



17.4498, 25.9699, 123.6793

Rectangle

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



48.6928, 25.9699, 58.3234



47.8638, 25.9699, 9.2366



10.2412, 25.9699, 10.8683



10.5389, 25.9699, 63.7589

Sweetspot

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



48.6937, 25.9712, 58.3239



77.1441, 67.3320, 93.2393



21.9774, 11.5785, 85.0815



16.0163, 13.5219, 19.4786



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.



48.6937, 25.9712, 58.3239



52.4618, 26.1604, 59.7544



40.9470, 22.8725, 17.5302



16.3002, 15.9698, 19.1371



24.7142, 12.1581, 27.4752



2.0918, 1.0257, 2.4740

Inverse Universe

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



48.6937, 25.9712, 58.3239



52.4618, 26.1604, 59.7544



42.2686, 67.8997, 57.4464



16.3002, 15.9698, 19.1371



24.7142, 12.1581, 27.4752



2.0918, 1.0257, 2.4740

Previews

White Background



This preview shows how the XYZ color 48.6928, 25.9699, 58.3234 looks on a white background.

Color Contrast Check

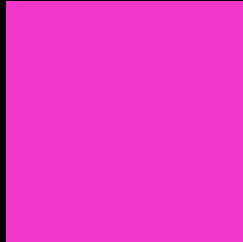
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6928, 25.9699, 58.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

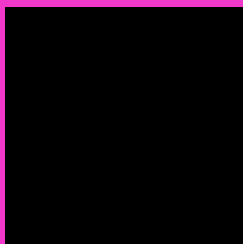
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.6928, 25.9699, 58.3234

Background



This preview shows how black text looks on a background with the XYZ color 48.6928, 25.9699, 58.3234.



This preview shows how white text looks on a background with the XYZ color 48.6928, 25.9699,

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

48.6928, 25.9699, 58.3234

Protanopia

30.1624, 26.5338, 98.1395

Deuteranopia

26.8046, 26.2236, 52.9391



Tritanopia

39.6360, 25.8598, 14.4577

Trichromacy



Original Color

48.6928, 25.9699, 58.3234



Protanomaly

31.0455, 22.0605, 81.9787



Deuteranomaly

31.1492, 22.8807, 54.4044



Tritanomaly

41.8320, 25.2024, 25.9523

Monochromacy



Original Color

48.6928, 25.9699, 58.3234



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.0300, 20.3043, 33.5048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6928, 25.9699, 58.3234 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(242, 56, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 56, 202)  
}
```

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(242, 56, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 56, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.6928, 25.9699, 58.3234 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(242, 56, 202) }
```


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

```
.border{ border-color:rgb(242, 56, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 56, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 56, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 56, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 56,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6928, 25.9699, 58.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 56, 202) }
```

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

```
.background{ background-color: rgb(242, 56,  
202) }
```

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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