

Converting Colors

XYZ(48.9837, 26.0072, 59.6777)

Have a look what the booklet for
XYZ(48.9837, 26.0072, 59.6777)
contains.

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Color

**XYZ(48.8832, 25.9693,
59.5629)**

Conversions

Conversions Part 1

Format	Color
Hex	F237CC
RGB	242, 55, 204
RGB Percent	95%, 22%, 80%
CMY	0.0510, 0.7843, 0.2000
CMYK	0.00, 0.77, 0.16, 0.05
HSL	312°, 88%, 58%
HSV	312°, 77%, 95%
XYZ	48.8832, 25.9693, 59.5629
YIQ	127.8990, 63.6230, 85.9830

Conversions

Conversions Part 2

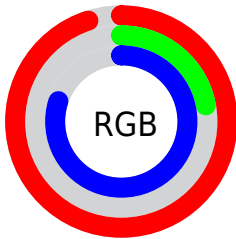
Format	Color
R _Y B	242, 55, 204
Decimal	15873996
CIE _{Lab}	58.01, 81.60, -35.97
CIE _{LCh}	58, 89.176, 336.212
Yxy	25.9693, 0.3637, 0.1932
Android (android.graphics.Color)	4294064076 (0xFFFF237CC)
YUV	127.8990, 37.5178, 100.0666
Hunter-Lab	50.9601, 82.0451, -33.6270

Details

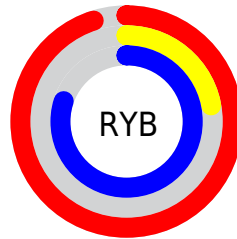
The XYZ color **48.8832, 25.9693, 59.5629** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.3049, 65.1078, 21.0652**, and the grayscale version is **20.3439, 21.4033, 23.3082**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **24.4809, 11.9937, 29.4585** is the 20% darker color. If you saturate the color by 10%, you get **47.4217, 23.9749, 56.2113**, and if you desaturate by 10%, it is **50.9281, 29.0995, 63.2012**.

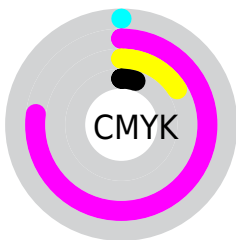
Distribution



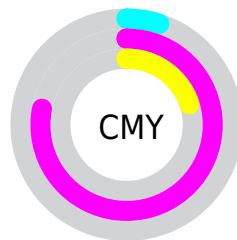
- Red (95%)
- Green (22%)
- Blue (80%)



- Red (95%)
- Yellow (22%)
- Blue (80%)



- Cyan (0%)
- Magenta (77%)
- Yellow (16%)
- Black (5%)





- Cyan (5%)
- Magenta (78%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8832, 25.9693, 59.5629 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 48.8832, 25.9693, 59.5629 by changing the saturation by 10% instead.


 48.8832, 25.9693,
59.5629

 48.8832, 25.9693,
59.5629


372.8069,
282.6313, 440.7446


 34.7410, 16.8007,
42.6434


 87.7197, 53.2254,
105.7325


 23.6290, 10.0925,
29.2761


 113.1447, 72.0817,
135.8197


 15.1819, 5.4603,
19.0424


 143.0614, 94.9360,
171.1332

 9.0343, 2.5198,
11.5238

 177.8351,
122.1727, 212.0916

 4.8208, 0.8865,
6.3017

 217.8311,
154.1762, 259.1134

 2.1762, 0.0000,
2.9577

263.4149,

 0.7302, 0.0000,

191.3308, 312.6171

1.0731

314.9517,
234.0211, 373.0213

■ 0.0000, 0.0000,
0.0000

■ 48.8832, 25.9693,
59.5629

■ 48.8832, 25.9693,
59.5629

■ 47.4217, 23.9749,
56.2113

■ 50.9281, 29.0995,
63.2012

■ 46.4460, 22.9233,
53.1125

■ 53.6263, 33.5069,
67.1499

■ 46.2238, 22.7196,
52.2963

■ 57.0408, 39.3165,
71.4309

■ 61.2262, 46.6373,
76.0633

■ 66.2318, 55.5675,
81.0641

72.1026, 66.1970,
86.4493

78.8804, 78.6092,
92.2335

86.6042, 92.8818,
98.4305

89.3622, 97.1910,
103.0704

Harmonies

Analogous

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



39.0431, 25.9693, 108.1502



48.8832, 25.9693, 59.5629



51.5106, 25.9693, 22.3341

Triad

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



48.8832, 25.9693, 59.5629



22.5102, 25.9693, 0.7943



11.4651, 25.9693, 79.7503

Complementary

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



48.8832, 25.9693, 59.5629



35.3049, 65.1078, 21.0652

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.



9.2935, 25.9693, 35.1885



48.8832, 25.9693, 59.5629



14.3623, 25.9693, 2.3456

Square

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



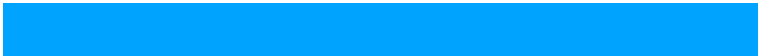
48.8832, 25.9693, 59.5629



34.0095, 25.9693, 1.3248



10.1735, 25.9693, 10.4710



17.2396, 25.9693, 124.6102

Rectangle

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



48.8832, 25.9693, 59.5629



48.3019, 25.9693, 9.3421



10.1735, 25.9693, 10.4710



10.3798, 25.9693, 63.3764

Sweetspot

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



48.8841, 25.9706, 59.5634



77.2489, 67.3739, 93.7912



21.8486, 11.4409, 85.0617



16.0420, 13.5322, 19.6138



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.



48.8841, 25.9706, 59.5634



52.6926, 26.1833, 61.1837



40.8602, 22.7611, 17.3102



16.3086, 15.9731, 19.1812



24.8822, 12.2253, 28.3602



2.1044, 1.0308, 2.5404

Inverse Universe

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



48.8841, 25.9706, 59.5634



52.6926, 26.1833, 61.1837



42.1813, 67.8583, 57.2758



16.3086, 15.9731, 19.1812



24.8822, 12.2253, 28.3602



2.1044, 1.0308, 2.5404

Previews

White Background



This preview shows how the XYZ color 48.8832, 25.9693, 59.5629 looks on a white background.

Color Contrast Check

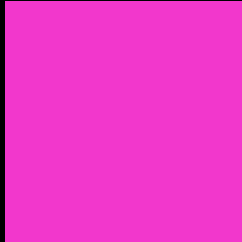
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8832, 25.9693, 59.5629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

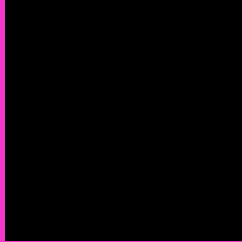
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8832, 25.9693, 59.5629

Background



This preview shows how black text looks on a background with the XYZ color 48.8832, 25.9693, 59.5629.

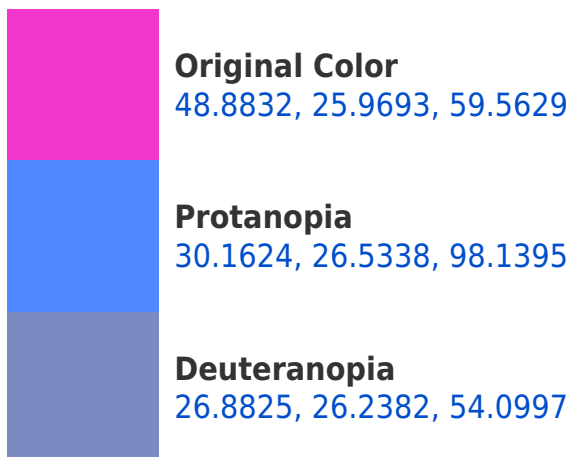


This preview shows how white text looks on a background with the XYZ color 48.8832, 25.9693,

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

39.3977, 25.8663, 14.4715

Trichromacy



Original Color

48.8832, 25.9693, 59.5629



Protanomaly

31.0455, 22.0605, 81.9787



Deuteranomaly

31.1665, 22.8633, 55.5937



Tritanomaly

41.9034, 25.2310, 26.3284

Monochromacy



Original Color

48.8832, 25.9693, 59.5629



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.0166, 20.1427, 33.9165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8832, 25.9693, 59.5629 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, 55, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 55, 204)  
}
```

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, 55, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 55, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.8832, 25.9693, 59.5629 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, 55, 204) }
```


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

```
.border{ border-color:rgb(242, 55, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 55, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 55, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 55, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 55,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8832, 25.9693, 59.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 55, 204) }
```

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

```
.background{ background-color: rgb(242, 55,  
204) }
```

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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