

Converting Colors

XYZ(49.8502, 29.9659, 50.1687)

Have a look what the booklet for
XYZ(49.8502, 29.9659, 50.1687)
contains.

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Color

**XYZ(49.8502, 29.9657,
50.1703)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F459BB |
| RGB | 244, 89, 187 |
| RGB Percent | 96%, 35%, 73% |
| CMY | 0.0431, 0.6509, 0.2667 |
| CMYK | 0.00, 0.64, 0.23, 0.04 |
| HSL | 322°, 88%, 65% |
| HSV | 322°, 64%, 96% |
| XYZ | 49.8502, 29.9657, 50.1703 |
| YIQ | 146.5170, 60.9220, 63.3380 |

Conversions

Conversions Part 2

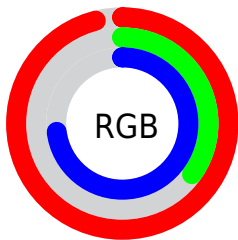
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 244, 89, 187 |
| Decimal | 16013755 |
| CIE _{Lab} | 61.62, 68.63, -20.64 |
| CIE _{LCh} | 62, 71.671, 343.263 |
| Yxy | 29.9657, 0.3835, 0.2305 |
| Android (android.graphics.Color) | 4294203835 (0xFFFF459BB) |
| YUV | 146.5170, 19.9581, 85.4926 |
| Hunter-Lab | 54.7409, 66.7556, -16.0209 |

Details

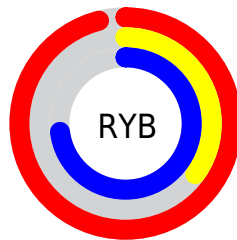
The XYZ color **49.8502, 29.9657, 50.1703** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **41.6604, 68.9014, 38.3011**, and the grayscale version is **27.4383, 28.8672, 31.4364**.

A 20% lighter version of the original color is **67.8514, 48.5985, 90.5983**, and **24.2555, 12.2822, 23.6465** is the 20% darker color. If you saturate the color by 10%, you get **47.2149, 26.1844, 44.6994**, and if you desaturate by 10%, it is **53.2200, 35.1191, 56.1827**.

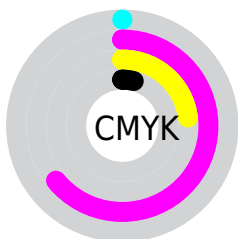
Distribution



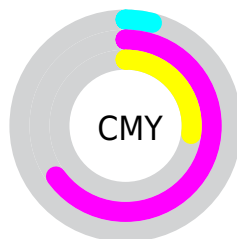
- Red (96%)
- Green (35%)
- Blue (73%)



- Red (96%)
- Yellow (35%)
- Blue (73%)



- Cyan (0%)
- Magenta (64%)
- Yellow (23%)
- Black (4%)





- Cyan (4%)
- Magenta (65%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8502, 29.9657, 50.1703 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 49.8502, 29.9657, 50.1703 by changing the saturation by 10% instead.


 49.8502, 29.9657,
50.1703


 49.8502, 29.9657,
50.1703

376.5415,
301.7445, 404.0857


 35.5117, 19.8126,
35.1766


 89.1460, 59.6079,
91.8261


 24.2257, 12.2589,
23.5143


 114.8341, 79.8658,
119.3252

 15.6267, 6.9202,
14.7649


 145.0360,
104.2607, 151.8299

 9.3496, 3.4123,
8.5097

 180.1172,
133.1770, 189.7587

 5.0288, 1.3506,
4.3304

220.4430,
166.9992, 233.5301

 2.2991, 0.1799,
1.8083

266.3787,

 0.7942, 0.0000,

206.1116, 283.5627

0.4334

318.2898,
250.8986, 340.2751

■ 0.0000, 0.0000,
0.0000

■ 49.8502, 29.9657,
50.1703

■ 49.8502, 29.9657,
50.1703

■ 47.2149, 26.1844,
44.6994

■ 53.2200, 35.1191,
56.1827

■ 45.2407, 23.6314,
39.7395

■ 57.3825, 41.7605,
62.7604


■ 43.8430, 22.1390,
35.2571


■ 62.3929, 49.9984,
69.9274


■ 43.1633, 21.5751,
32.5780

■ 68.3007, 59.9300,
77.7049

■ 75.1514, 71.6447,
86.1131

 82.9872, 85.2255,
95.1706

 90.2945, 97.6436,
104.3777

 91.1183, 97.9732,
108.7160

Harmonies

Analogous

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



42.9569, 29.9657, 87.6197



49.8502, 29.9657, 50.1703



50.2684, 29.9657, 22.0187

Triad

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



49.8502, 29.9657, 50.1703



24.4854, 29.9657, 3.5806



17.1241, 29.9657, 83.3499

Complementary

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



49.8502, 29.9657, 50.1703



41.6604, 68.9014, 38.3011

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.



14.1230, 29.9657, 46.1914



49.8502, 29.9657, 50.1703



17.6891, 29.9657, 7.4069

Square

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



49.8502, 29.9657, 50.1703



34.0841, 29.9657, 3.7725



14.3037, 29.9657, 19.7407



23.5292, 29.9657, 112.9680

Rectangle

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



49.8502, 29.9657, 50.1703



46.6904, 29.9657, 11.4951



14.3037, 29.9657, 19.7407



15.7549, 29.9657, 70.6493

Sweetspot

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



49.8511, 29.9672, 50.1709



78.7566, 71.7930, 89.9668



31.7277, 19.7741, 87.7327



16.4053, 14.5963, 18.6948



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.



49.8511, 29.9672, 50.1709



51.5427, 28.0682, 47.8993



43.6782, 27.4980, 17.6646



16.9400, 16.6589, 19.4306



23.5379, 11.7586, 18.0726



2.1182, 1.0532, 1.8486

Inverse Universe

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



49.8511, 29.9672, 50.1709



51.5427, 28.0682, 47.8993



49.8359, 72.1716, 81.3528



16.9400, 16.6589, 19.4306



23.5379, 11.7586, 18.0726



2.1182, 1.0532, 1.8486

Previews

White Background



This preview shows how the XYZ color 49.8502, 29.9657, 50.1703 looks on a white background.

Color Contrast Check

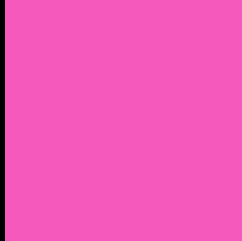
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8502, 29.9657, 50.1703 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 49.8502, 29.9657, 50.1703

Background



This preview shows how black text looks on a background with the XYZ color 49.8502, 29.9657, 50.1703.

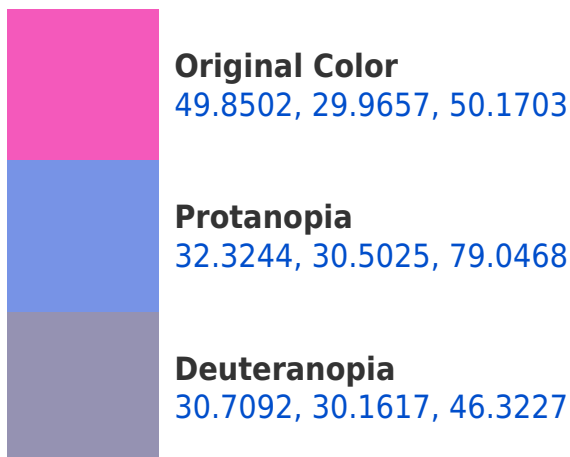


This preview shows how white text looks on a background with the XYZ color 49.8502, 29.9657,

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

43.6121, 29.9303, 19.6982

Trichromacy



Original Color

49.8502, 29.9657, 50.1703



Protanomaly

34.9083, 27.6693, 67.1192



Deuteranomaly

35.4413, 28.1938, 47.2900



Tritanomaly

45.3001, 29.5627, 28.5179

Monochromacy



Original Color

49.8502, 29.9657, 50.1703



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.2738, 27.4754, 37.7320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8502, 29.9657, 50.1703 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(244, 89, 187)` looks like.

```
.text, #text, p{  
    color:rgb(244, 89, 187)  
}
```

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(244, 89, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 89, 187) }
```

Border

The CSS property to change the border of an element to XYZ 49.8502, 29.9657, 50.1703 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(244, 89, 187) }
```


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

```
.border{ border-color:rgb(244, 89, 187) }
```

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

Here you see how a box with a 4 pixel rgb(244, 89, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 89, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 89, 187);  
box-shadow:4px 4px 4px 4px rgb(244, 89,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8502, 29.9657, 50.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 89, 187) }
```

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

```
.background{ background-color: rgb(244, 89,  
187) }
```

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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