

# Converting Colors

XYZ(49.6101, 25.3028, 61.2908)

Have a look what the booklet for  
XYZ(49.6101, 25.3028, 61.2908)  
contains.

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# Color

**XYZ(49.6118, 25.3037,  
61.3008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F526CF
RGB	245, 38, 207
RGB Percent	96%, 15%, 81%
CMY	0.0392, 0.8509, 0.1882
CMYK	0.00, 0.84, 0.16, 0.04
HSL	311°, 91%, 55%
HSV	311°, 84%, 96%
XYZ	49.6118, 25.3037, 61.3008
YIQ	119.1590, 69.1230, 96.4430

# Conversions

## Conversions Part 2

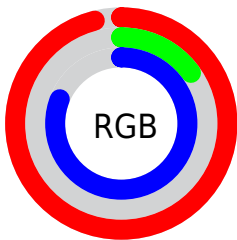
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 38, 207
Decimal	16066255
CIE <sub>Lab</sub>	57.37, 86.33, -38.64
CIE <sub>LCh</sub>	57, 94.584, 335.885
Yxy	25.3037, 0.3642, 0.1858
Android (android.graphics.Color)	4294256335 (0xFFFF526CF)
YUV	119.1590, 43.3056, 110.3626
Hunter-Lab	50.3028, 88.0182, -37.0410

# Details

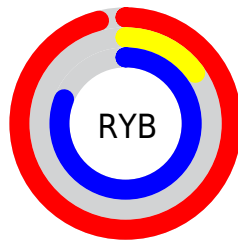
The XYZ color **49.6118, 25.3037, 61.3008** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **34.7578, 66.2398, 17.7943**, and the grayscale version is **17.4398, 18.3480, 19.9810**.

A 20% lighter version of the original color is **65.0842, 40.0683, 98.9114**, and **25.4347, 12.4573, 30.7697** is the 20% darker color. If you saturate the color by 10%, you get **48.5274, 24.0020, 58.2647**, and if you desaturate by 10%, it is **51.2279, 27.6426, 64.5917**.

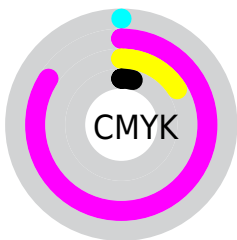
# Distribution



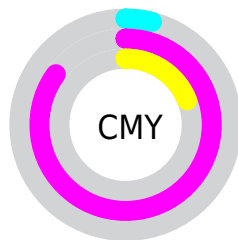
- Red (96%)
- Green (15%)
- Blue (81%)



- Red (96%)
- Yellow (15%)
- Blue (81%)



- Cyan (0%)
- Magenta (84%)
- Yellow (16%)
- Black (4%)




- Cyan (4%)
- Magenta (85%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6118, 25.3037, 61.3008 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 49.6118, 25.3037, 61.3008 by changing the saturation by 10% instead.





 49.6118, 25.3037,  
61.3008


 49.6118, 25.3037,  
61.3008


375.6230,  
279.3470, 447.3131


 35.3216, 16.3035,  
44.0358


 88.7947, 52.1495,  
108.2761


 24.0784, 9.7391,  
30.3613


 114.4181, 70.7638,  
138.8236

 15.5168, 5.2263,  
19.8586


 144.5499, 93.3517,  
174.6356

 9.2716, 2.3807,  
12.1092

 179.5555,  
120.2974, 216.1307

 4.9773, 0.8159,  
6.6947

 219.8003,  
151.9854, 263.7275

 2.2685, 0.0000,  
3.1964

265.6496,

 0.7785, 0.0000,

188.8001, 317.8444

1.1958

317.4687,  
231.1258, 378.9001

■ 0.0000, 0.0000,  
0.0000

■ 49.6118, 25.3037,  
61.3008

■ 49.6118, 25.3037,  
61.3008

■ 48.5274, 24.0020,  
58.2647

■ 51.2279, 27.6426,  
64.5917

■ 48.0842, 23.5837,  
56.6741

■ 53.4603, 31.1895,  
68.1659

■ 56.3814, 36.0884,  
72.0481

■ 60.0527, 42.4618,  
76.2596

■ 64.5287, 50.4187,  
80.8191

69.8588, 60.0579,  
85.7436

76.0884, 71.4698,  
91.0489

83.2598, 84.7387,  
96.7497

90.2796, 97.6779,  
102.4820

# Harmonies

## Analogous

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



39.0460, 25.3037, 114.0793



49.6118, 25.3037, 61.3008



52.5350, 25.3037, 21.6885

# Triad

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



49.6118, 25.3037, 61.3008



21.9051, 25.3037, 0.3376



10.4614, 25.3037, 81.9717

# Complementary

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



49.6118, 25.3037, 61.3008



34.7578, 66.2398, 17.7943

# 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.



8.3378, 25.3037, 34.3858



49.6118, 25.3037, 61.3008



13.4896, 25.3037, 1.6879

# Square

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



49.6118, 25.3037, 61.3008



33.9883, 25.3037, 0.8798



9.2420, 25.3037, 9.2295



16.2673, 25.3037, 131.2099



# Rectangle

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



49.6118, 25.3037, 61.3008



49.1569, 25.3037, 8.4201



9.2420, 25.3037, 9.2295



9.3916, 25.3037, 64.2960

# Sweetspot

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



49.6127, 25.3050, 61.3013



76.1478, 65.1197, 93.5846



20.1529, 9.5150, 87.1613



15.8395, 13.1046, 19.6163



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.



49.6127, 25.3050, 61.3013



52.6479, 25.8231, 62.0029



40.8267, 21.7906, 15.0346



17.0755, 16.7130, 20.1439



25.9516, 12.7241, 30.7830



2.3140, 1.1316, 2.8800



# Inverse Universe

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



49.6127, 25.3050, 61.3013



52.6479, 25.8231, 62.0029



41.6355, 68.9909, 54.0122



17.0755, 16.7130, 20.1439



25.9516, 12.7241, 30.7830



2.3140, 1.1316, 2.8800



# Previews

## White Background



This preview shows how the XYZ color 49.6118, 25.3037, 61.3008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

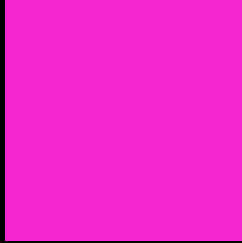
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6118, 25.3037, 61.3008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

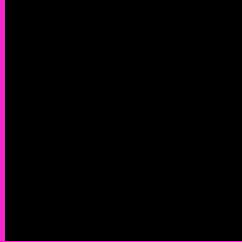
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 49.6118, 25.3037, 61.3008**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6118, 25.3037, 61.3008.



This preview shows how white text looks on a background with the XYZ color 49.6118, 25.3037,



# 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

49.6118, 25.3037, 61.3008

### Protanopia

29.4767, 25.7661, 98.0275

### Deuteranopia

26.2672, 25.6830, 55.2026



## Tritanopia

39.6009, 25.2513, 12.9120

# Trichromacy



## Original Color

49.6118, 25.3037, 61.3008



## Protanomaly

30.2110, 20.4151, 83.2371



## Deuteranomaly

30.2723, 21.3234, 56.5531



## Tritanomaly

42.0278, 24.3282, 25.0350

# Monochromacy



## Original Color

49.6118, 25.3037, 61.3008



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

24.7591, 17.5460, 31.3599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6118, 25.3037, 61.3008 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(245, 38, 207)` looks like.

```
.text, #text, p{  
    color:rgb(245, 38, 207)  
}
```

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(245, 38, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 38, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6118, 25.3037, 61.3008 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(245, 38, 207) }
```



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

```
.border{ border-color:rgb(245, 38, 207) }
```

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

Here you see how a box with a 4 pixel rgb(245, 38, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 38, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 38, 207);  
box-shadow:4px 4px 4px 4px rgb(245, 38,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6118, 25.3037, 61.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 38, 207) }
```

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

```
.background{ background-color: rgb(245, 38,  
207) }
```

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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