

# Converting Colors

XYZ(48.6549, 25.9428, 57.7430)

Have a look what the booklet for  
XYZ(48.6549, 25.9428, 57.7430)  
contains.

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# Color

**XYZ(48.5747, 25.9226,  
57.7017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F238C9
RGB	242, 56, 201
RGB Percent	95%, 22%, 79%
CMY	0.0510, 0.7803, 0.2118
CMYK	0.00, 0.77, 0.17, 0.05
HSL	313°, 88%, 58%
HSV	313°, 77%, 95%
XYZ	48.5747, 25.9226, 57.7017
YIQ	128.1440, 64.3110, 84.5270

# Conversions

## Conversions Part 2

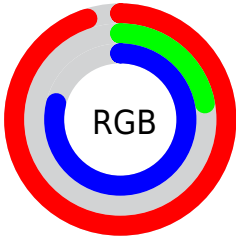
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 56, 201
Decimal	15874249
CIE <sub>Lab</sub>	57.96, 80.95, -34.32
CIE <sub>LCh</sub>	58, 87.923, 337.021
Y <sub>xy</sub>	25.9226, 0.3674, 0.1961
Android (android.graphics.Color)	4294064329 (0xFFFF238C9)
YUV	128.1440, 35.9180, 99.8517
Hunter-Lab	50.9142, 81.1979, -31.5541

# Details

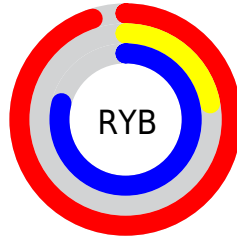
The XYZ color **48.5747, 25.9226, 57.7017** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.5421, 65.2091, 22.0255**, and the grayscale version is **20.4334, 21.4976, 23.4109**.

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 **47.0554, 23.8706, 54.1526**, and if you desaturate by 10%, it is **50.6837, 29.1183, 61.5553**.

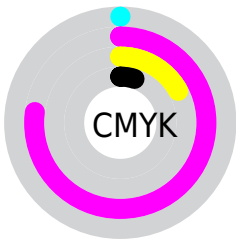
# Distribution



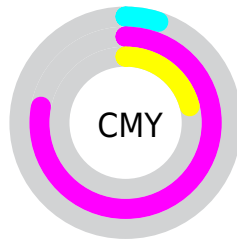
- Red (95%)
- Green (22%)
- Blue (79%)



- 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 48.5747, 25.9226, 57.7017 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 48.5747, 25.9226, 57.7017 by changing the saturation by 10% instead.





 48.5747, 25.9226,  
57.7017


 48.5747, 25.9226,  
57.7017

371.6104,  
282.4019, 433.6407


 34.4954, 16.7657,  
41.1558

 87.2640, 53.1501,  
102.9988


 23.4391, 10.0676,  
28.1202

 112.6047, 71.9894,  
132.5871


 15.0405, 5.4438,  
18.1765


 142.4298, 94.8251,  
167.3599

 8.9343, 2.5099,  
10.9060

 177.1048,  
122.0415, 207.7357

 4.7552, 0.8816,  
5.8903

 216.9950,  
154.0230, 254.1332

 2.1376, 0.0000,  
2.7108

262.4658,

 0.7095, 0.0000,

191.1540, 306.9708

0.9488

313.8824,  
233.8188, 366.6671

■ 0.0000, 0.0000,  
0.0000

■ 48.5747, 25.9226,  
57.7017

■ 48.5747, 25.9226,  
57.7017

■ 47.0554, 23.8706,  
54.1526

■ 50.6837, 29.1183,  
61.5553

■ 46.0313, 22.7748,  
50.8749

■ 53.4521, 33.5979,  
65.7371

■ 45.7659, 22.5364,  
49.8847

■ 56.9424, 39.4858,  
70.2692

■ 61.2090, 46.8905,  
75.1708

■ 66.3011, 55.9098,  
80.4592

72.2636, 66.6333,  
86.1504

79.1382, 79.1442,  
92.2594

86.9638, 93.5200,  
98.8000

89.4792, 97.2378,  
103.6862

# Harmonies

## Analogous

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



39.0638, 25.9226, 105.2053



48.5747, 25.9226, 57.7017



50.9142, 25.9226, 21.6734

# Triad

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



48.5747, 25.9226, 57.7017



22.2299, 25.9226, 0.8860



11.6837, 25.9226, 79.9900

# Complementary

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



48.5747, 25.9226, 57.7017



35.5421, 65.2091, 22.0255

# 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.



9.4391, 25.9226, 35.9802



48.5747, 25.9226, 57.7017



14.2899, 25.9226, 2.5638

# Square

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



48.5747, 25.9226, 57.7017



33.4843, 25.9226, 1.3752



10.2329, 25.9226, 11.0180



17.5066, 25.9226, 123.3108



# Rectangle

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



48.5747, 25.9226, 57.7017



47.6254, 25.9226, 9.1422



10.2329, 25.9226, 11.0180



10.5750, 25.9226, 63.9253

# Sweetspot

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



48.5756, 25.9239, 57.7022



77.0966, 67.3130, 92.9895



22.2983, 11.7439, 85.0965



16.0047, 13.5173, 19.4174



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.



48.5756, 25.9239, 57.7022



52.3106, 26.0999, 58.9580



40.7776, 22.8047, 16.6384



16.2964, 15.9683, 19.1171



24.6390, 12.1280, 27.0791



2.0861, 1.0235, 2.4442



# Inverse Universe

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



48.5756, 25.9239, 57.7022



52.3106, 26.0999, 58.9580



42.6022, 68.0331, 59.2035



16.2964, 15.9683, 19.1171



24.6390, 12.1280, 27.0791



2.0861, 1.0235, 2.4442



# Previews

## White Background



This preview shows how the XYZ color 48.5747, 25.9226, 57.7017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

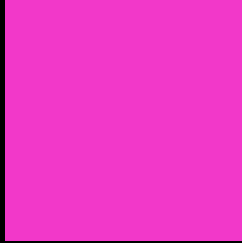
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.5747, 25.9226, 57.7017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

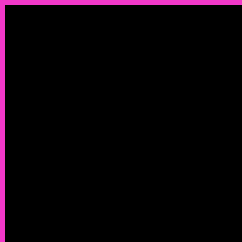
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.5747, 25.9226, 57.7017**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.5747, 25.9226, 57.7017.



This preview shows how white text looks on a background with the XYZ color 48.5747, 25.9226,



# 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

48.5747, 25.9226, 57.7017

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

26.8402, 26.2546, 52.3682



## Tritanopia

39.6360, 25.8598, 14.4577

# Trichromacy



## Original Color

48.5747, 25.9226, 57.7017



## Protanomaly

30.9006, 22.0025, 81.2155



## Deuteranomaly

31.2486, 22.9450, 53.8208



## Tritanomaly

41.7612, 25.1741, 25.5797

# Monochromacy



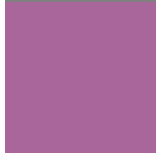
## Original Color

48.5747, 25.9226, 57.7017



## 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 48.5747, 25.9226, 57.7017 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(242, 56, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 56, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5747, 25.9226, 57.7017 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, 201) }
```



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

```
.border{ border-color:rgb(242, 56, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 56, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 56, 201);  
box-shadow:4px 4px 4px 4px rgb(242, 56,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5747, 25.9226, 57.7017 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, 201) }
```

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

```
.background{ background-color: rgb(242, 56,  
201) }
```

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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