

Converting Colors

XYZ(49.1426, 24.1025, 57.9415)

Have a look what the booklet for
XYZ(49.1426, 24.1025, 57.9415)
contains.

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Color

**XYZ(49.0184, 24.0384,
57.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	F700CA
RGB	247, 0, 202
RGB Percent	97%, 0%, 79%
CMY	0.0314, 0.9998, 0.2078
CMYK	0.00, 1.00, 0.18, 0.03
HSL	311°, 100%, 48%
HSV	311°, 100%, 97%
XYZ	49.0184, 24.0384, 57.9334
YIQ	96.8810, 82.3700, 115.1860

Conversions

Conversions Part 2

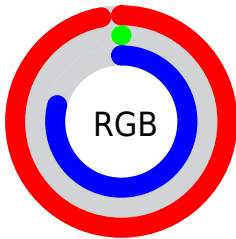
Format	Color
R_{YB}	247, 0, 202
Decimal	16187594
CIE _{Lab}	56.13, 90.08, -37.71
CIE _{LCh}	56, 97.654, 337.285
Yxy	24.0384, 0.3742, 0.1835
Android (android.graphics.Color)	4294377674 (0xFFFF700CA)
YUV	96.8810, 51.8237, 131.6544
Hunter-Lab	49.0290, 92.6608, -35.7377

Details

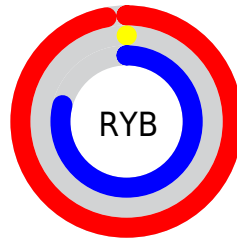
The XYZ color **49.0184, 24.0384, 57.9334** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.7362, 66.7121, 13.5864**, and the grayscale version is **11.2032, 11.7866, 12.8356**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.2740, 12.4209, 28.6691** is the 20% darker color. If you saturate the color by 10%, you get **49.0176, 24.0381, 57.9279**, and if you desaturate by 10%, it is **49.9019, 24.9396, 60.8960**.

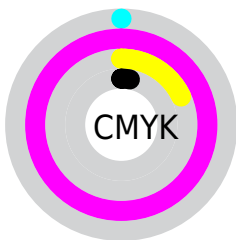
Distribution



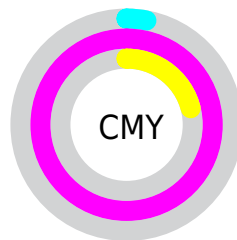
- Red (97%)
- Green (0%)
- Blue (79%)



- Red (97%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0184, 24.0384, 57.9334 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 49.0184, 24.0384, 57.9334 by changing the saturation by 10% instead.


 49.0184, 24.0384,
57.9334

 49.0184, 24.0384,
57.9334


373.3305,
273.0146, 434.5290


 34.8487, 15.3621,
41.3408


 87.9193, 50.0929,
103.3397


 23.7123, 9.0739,
28.2637


 113.3813, 68.2398,
132.9904


 15.2439, 4.7894,
18.2838


 143.3380, 90.3124,
167.8309

 9.0782, 2.1242,
10.9824

 178.1548,
116.6951, 208.2798

 4.8497, 0.6782,
5.9410

 218.1971,
147.7723, 254.7554

 2.1932, 0.0000,
2.7410

263.8303,

 0.7392, 0.0000,

183.9283, 307.6765

0.9640

315.4196,
225.5476, 367.4615

■ 0.0000, 0.0000,
0.0000

■ 49.0184, 24.0384,
57.9334

■ 49.0184, 24.0384,
57.9334

■ 49.0176, 24.0381,
57.9279

■ 49.9019, 24.9396,
60.8960

■ 51.2334, 26.7121,
64.0851

■ 53.1474, 29.6242,
67.5464

■ 55.7245, 33.8373,
71.3073

■ 59.0327, 39.4866,
75.3910

■ 63.1310, 46.6904,
79.8179

■ 68.0727, 55.5549,
84.6064

■ 73.9062, 66.1767,
89.7731

■ 80.6762, 78.6450,
95.3336

Harmonies

Analogous

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



38.5297, 24.0384, 112.2685



49.0184, 24.0384, 57.9334



51.5494, 24.0384, 19.1073

Triad

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



49.0184, 24.0384, 57.9334



20.2248, 24.0384, 0.0000



9.6421, 24.0384, 84.1139

Complementary

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



49.0184, 24.0384, 57.9334



33.7362, 66.7121, 13.5864

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.



7.4544, 24.0384, 34.7974



49.0184, 24.0384, 57.9334



12.1295, 24.0384, 1.3826

Square

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



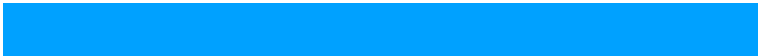
49.0184, 24.0384, 57.9334



32.2107, 24.0384, 0.4677



8.1862, 24.0384, 8.8539



15.5016, 24.0384, 134.2017

Rectangle

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



49.0184, 24.0384, 57.9334



47.8212, 24.0384, 6.8617



8.1862, 24.0384, 8.8539



8.5577, 24.0384, 65.8371

Sweetspot

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



49.0192, 24.0397, 57.9338



73.1462, 59.6546, 90.9252



17.7120, 7.1923, 88.4509



15.1522, 11.8601, 18.9862



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.



49.0192, 24.0397, 57.9338



52.6908, 25.8403, 62.2293



39.8955, 20.3902, 9.8891



17.0765, 16.7134, 20.1493



25.9724, 12.7324, 30.8929



2.3157, 1.1322, 2.8887

Inverse Universe

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



49.0192, 24.0397, 57.9338



52.6908, 25.8403, 62.2293



40.0244, 69.2273, 46.6994



17.0765, 16.7134, 20.1493



25.9724, 12.7324, 30.8929



2.3157, 1.1322, 2.8887

Previews

White Background



This preview shows how the XYZ color 49.0184, 24.0384, 57.9334 looks on a white background.

Color Contrast Check

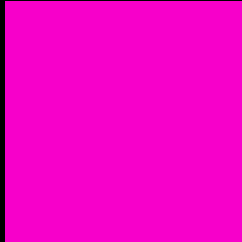
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0184, 24.0384, 57.9334 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 49.0184, 24.0384, 57.9334

Background



This preview shows how black text looks on a background with the XYZ color 49.0184, 24.0384, 57.9334.



This preview shows how white text looks on a background with the XYZ color 49.0184, 24.0384,

57.9334.

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

49.0184, 24.0384, 57.9334

Protanopia

28.7555, 24.9877, 97.9153

Deuteranopia

25.1816, 24.5759, 51.5605



Tritanopia

39.3939, 24.3819, 11.0174

Trichromacy



Original Color

49.0184, 24.0384, 57.9334



Protanomaly

28.1422, 17.4651, 81.2447



Deuteranomaly

28.5032, 18.3914, 53.0865



Tritanomaly

41.2902, 22.6007, 22.2648

Monochromacy



Original Color

49.0184, 24.0384, 57.9334



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0447, 11.8699, 24.2090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0184, 24.0384, 57.9334 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(247, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 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(247, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.0184, 24.0384, 57.9334 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(247, 0, 202) }
```


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

```
.border{ border-color:rgb(247, 0, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0184, 24.0384, 57.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 202) }
```

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

```
.background{ background-color: rgb(247, 0,  
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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