

Converting Colors

XYZ(49.3891, 24.2010, 59.2405)

Have a look what the booklet for
XYZ(49.3891, 24.2010, 59.2405)
contains.

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Color

**XYZ(49.2569, 24.1338,
59.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	F700CC
RGB	247, 0, 204
RGB Percent	97%, 0%, 80%
CMY	0.0314, 0.9998, 0.2000
CMYK	0.00, 1.00, 0.17, 0.03
HSL	310°, 100%, 48%
HSV	310°, 100%, 97%
XYZ	49.2569, 24.1338, 59.1889
YIQ	97.1090, 81.7280, 115.8080

Conversions

Conversions Part 2

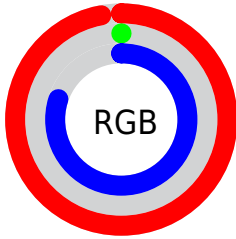
Format	Color
RYB	247, 0, 204
Decimal	16187596
CIELab	56.22, 90.32, -38.71
CIELCh	56, 98.263, 336.802
Yxy	24.1338, 0.3715, 0.1820
Android (android.graphics.Color)	4294377676 (0xFFFF700CC)
YUV	97.1090, 52.6973, 131.4544
Hunter-Lab	49.1262, 93.0042, -37.0463

Details

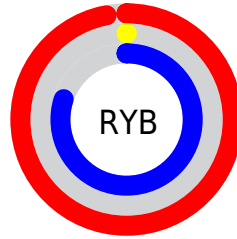
The XYZ color **49.2569, 24.1338, 59.1889** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.6986, 66.6972, 13.3881**, and the grayscale version is **11.2567, 11.8429, 12.8970**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.6745, 12.6090, 29.5144** is the 20% darker color. If you saturate the color by 10%, you get **49.2562, 24.1336, 59.1837**, and if you desaturate by 10%, it is **50.1227, 25.0278, 62.0581**.

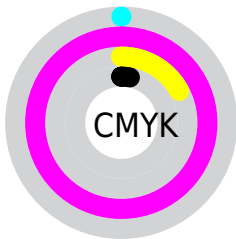
Distribution



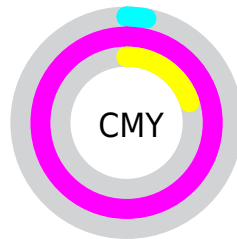
- Red (97%)
- Green (0%)
- Blue (80%)



- Red (97%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2569, 24.1338, 59.1889 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 49.2569, 24.1338, 59.1889 by changing the saturation by 10% instead.

 49.2569, 24.1338,
59.1889

 49.2569, 24.1338,
59.1889

374.2530,
273.4962, 439.3229

 35.0387, 15.4329,
42.3442


 88.2713, 50.2485,
105.1840


 23.8593, 9.1238,
29.0433


 113.7982, 68.4310,
135.1714


 15.3535, 4.8220,
18.8677

 143.8254, 90.5429,
170.3769

 9.1558, 2.1432,
11.3989

 178.7182,
116.9685, 211.2189

 4.9008, 0.6888,
6.2183

 218.8421,
148.0923, 258.1159

 2.2234, 0.0000,
2.9073

264.5622,

 0.7550, 0.0000,

184.2985, 311.4866

1.0475

316.2441,
225.9717, 371.7494

■ 0.0000, 0.0000,
0.0000

■ 49.2569, 24.1338,
59.1889

■ 49.2569, 24.1338,
59.1889

■ 49.2562, 24.1336,
59.1837

■ 50.1227, 25.0278,
62.0581

■ 51.4351, 26.7927,
65.1470

■ 53.3287, 29.6967,
68.5009

■ 55.8841, 33.9010,
72.1474

■ 59.1691, 39.5410,
76.1095

■ 63.2430, 46.7350,
80.4076

■ 68.1588, 55.5891,
85.0598

■ 73.9650, 66.1999,
90.0828

■ 80.7063, 78.6568,
95.4921

Harmonies

Analogous

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



38.5666, 24.1338, 114.1929



49.2569, 24.1338, 59.1889



51.9740, 24.1338, 19.5767

Triad

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



49.2569, 24.1338, 59.1889



20.4607, 24.1338, 0.0000



9.5712, 24.1338, 83.9378

Complementary

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



49.2569, 24.1338, 59.1889



33.6986, 66.6972, 13.3881

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.



7.4236, 24.1338, 34.3559



49.2569, 24.1338, 59.1889



12.2314, 24.1338, 1.3110

Square

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



49.2569, 24.1338, 59.1889



32.6028, 24.1338, 0.4625



8.2053, 24.1338, 8.6007



15.4019, 24.1338, 134.9594

Rectangle

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



49.2569, 24.1338, 59.1889



48.3021, 24.1338, 7.0241



8.2053, 24.1338, 8.6007



8.4997, 24.1338, 65.4938

Sweetspot

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



49.2578, 24.1351, 59.1893



73.2390, 59.6917, 91.4137



17.7120, 7.1922, 88.4511



15.1746, 11.8691, 19.1042



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.



49.2578, 24.1351, 59.1893



52.9475, 25.9430, 63.5809



39.8956, 20.3902, 9.8890



17.0825, 16.7159, 20.1811



26.0970, 12.7822, 31.5487



2.3255, 1.1362, 2.9406

Inverse Universe

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



49.2578, 24.1351, 59.1893



52.9475, 25.9430, 63.5809



40.0244, 69.2275, 46.6994



17.0825, 16.7159, 20.1811



26.0970, 12.7822, 31.5487



2.3255, 1.1362, 2.9406

Previews

White Background



This preview shows how the XYZ color 49.2569, 24.1338, 59.1889 looks on a white background.

Color Contrast Check

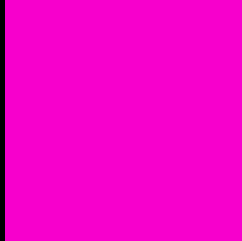
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2569, 24.1338, 59.1889 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 49.2569, 24.1338, 59.1889

Background



This preview shows how black text looks on a background with the XYZ color 49.2569, 24.1338, 59.1889.



This preview shows how white text looks on a background with the XYZ color 49.2569, 24.1338,

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

49.2569, 24.1338, 59.1889

Protanopia

28.7555, 24.9877, 97.9153

Deuteranopia

25.2704, 24.8025, 52.7457



Tritanopia

39.4334, 24.3977, 11.2252

Trichromacy



Original Color

49.2569, 24.1338, 59.1889



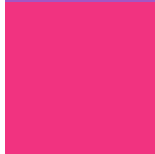
Protanomaly

28.1422, 17.4651, 81.2447



Deuteranomaly

28.6014, 18.5336, 54.2944



Tritanomaly

41.3557, 22.6269, 22.6098

Monochromacy



Original Color

49.2569, 24.1338, 59.1889



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.1155, 11.8982, 24.5816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2569, 24.1338, 59.1889 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 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(247, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.2569, 24.1338, 59.1889 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, 204) }
```


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

```
.border{ border-color:rgb(247, 0, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2569, 24.1338, 59.1889 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, 204) }
```

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

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