

Converting Colors

XYZ(52.1994, 29.0340, 49.1898)

Have a look what the booklet for
XYZ(52.1994, 29.0340, 49.1898)
contains.

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Color

**XYZ(52.2310, 29.0614,
49.3109)**

Conversions

Conversions Part 1

Format	Color
Hex	FF45BA
RGB	255, 69, 186
RGB Percent	100%, 27%, 73%
CMY	0.0000, 0.7294, 0.2706
CMYK	0.00, 0.73, 0.27, 0.00
HSL	322°, 100%, 64%
HSV	322°, 73%, 100%
XYZ	52.2310, 29.0614, 49.3109
YIQ	137.9520, 73.2990, 75.8190

Conversions

Conversions Part 2

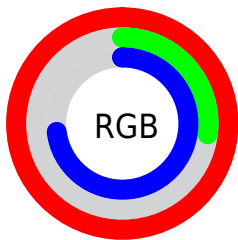
Format	Color
R _Y B	255, 69, 186
Decimal	16729530
CIE Lab	60.84, 78.35, -21.11
CIE LCh	61, 81.149, 344.920
Yxy	29.0614, 0.3999, 0.2225
Android (android.graphics.Color)	4294919610 (0xFFFF45BA)
YUV	137.9520, 23.6877, 102.6511
Hunter-Lab	53.9086, 78.6050, -16.4973

Details

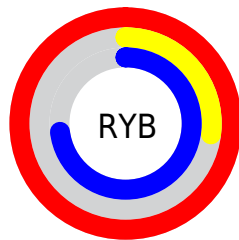
The XYZ color **52.2310, 29.0614, 49.3109** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **42.8034, 74.6209, 36.1964**, and the grayscale version is **24.0342, 25.2858, 27.5363**.

A 20% lighter version of the original color is **65.5183, 44.1733, 89.0775**, and **26.4818, 13.1628, 23.3352** is the 20% darker color. If you saturate the color by 10%, you get **50.0127, 26.1812, 43.7726**, and if you desaturate by 10%, it is **55.1909, 33.3177, 55.4254**.

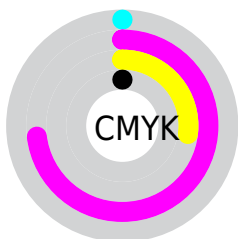
Distribution



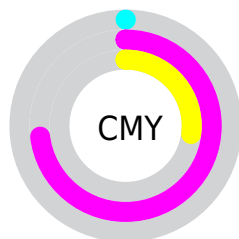
- Red (100%)
- Green (27%)
- Blue (73%)



- Red (100%)
- Yellow (27%)
- Blue (73%)



- Cyan (0%)
- Magenta (73%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2310, 29.0614, 49.3109 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 52.2310, 29.0614, 49.3109 by changing the saturation by 10% instead.


 52.2310, 29.0614,
49.3109


 52.2310, 29.0614,
49.3109

385.6371,
297.5046, 400.6226


 37.4142, 19.1273,
34.4988


 92.6440, 58.1746,
90.5388


 25.7035, 11.7623,
22.9966


 118.9710, 78.1225,
117.7917


 16.7335, 6.5820,
14.3857


 149.8655,
102.1771, 150.0286

 10.1388, 3.2021,
8.2476

 185.6928,
130.7228, 187.6681

 5.5540, 1.2381,
4.1638

 226.8182,
164.1440, 231.1287

 2.6139, 0.0925,
1.7156

273.6072,

 0.9531, 0.0000,

202.8251, 280.8290

0.3714

326.4250,
247.1505, 337.1874

■ 0.0000, 0.0000,
0.0000

■ 52.2310, 29.0614,
49.3109

■ 52.2310, 29.0614,
49.3109

■ 50.0127, 26.1812,
43.7726

■ 55.1909, 33.3177,
55.4254

■ 48.4390, 24.4860,
38.7713

■ 58.9678, 39.0997,
62.1466

■ 47.6200, 23.8120,
35.5268

■ 63.6301, 46.5421,
69.5037

■ 69.2382, 55.7635,
77.5224

■ 75.8467, 66.8716,
86.2268

83.5061, 79.9655,
95.6392

92.2634, 95.1374,
105.7805

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.5827, 29.0614, 93.2606



52.2310, 29.0614, 49.3109



52.2535, 29.0614, 18.9084

Triad

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



52.2310, 29.0614, 49.3109



22.7172, 29.0614, 2.1505



15.5949, 29.0614, 93.0243

Complementary

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



52.2310, 29.0614, 49.3109



42.8034, 74.6209, 36.1964

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.



12.2809, 29.0614, 49.0999



52.2310, 29.0614, 49.3109



15.6224, 29.0614, 5.7451

Square

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



52.2310, 29.0614, 49.3109



33.2484, 29.0614, 2.1576



12.2895, 29.0614, 18.7971



22.6690, 29.0614, 127.5465

Rectangle

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



52.2310, 29.0614, 49.3109



47.8393, 29.0614, 8.6640



12.2895, 29.0614, 18.7971



14.0943, 29.0614, 77.9656

Sweetspot

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



52.2318, 29.0629, 49.3114



76.5187, 68.0121, 87.0779



30.5294, 16.8136, 96.2440



15.9671, 13.8608, 18.1144



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.



52.2318, 29.0629, 49.3114



49.1420, 25.1882, 41.1757



45.3807, 26.3225, 13.2340



18.4901, 18.1793, 21.1979



24.9571, 12.4721, 18.9564



2.4828, 1.2355, 2.1240

Inverse Universe

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



52.2318, 29.0629, 49.3114



49.1420, 25.1882, 41.1757



52.5263, 78.5101, 87.3970



18.4901, 18.1793, 21.1979



24.9571, 12.4721, 18.9564



2.4828, 1.2355, 2.1240

Previews

White Background



This preview shows how the XYZ color 52.2310, 29.0614, 49.3109 looks on a white background.

Color Contrast Check

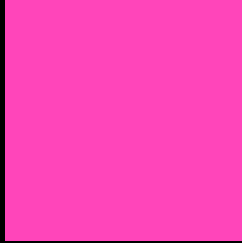
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.2310, 29.0614, 49.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

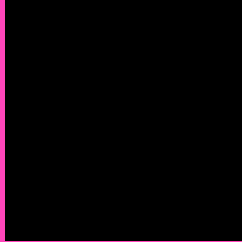
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.2310, 29.0614, 49.3109

Background



This preview shows how black text looks on a background with the XYZ color 52.2310, 29.0614, 49.3109.



This preview shows how white text looks on a background with the XYZ color 52.2310, 29.0614,

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

52.2310, 29.0614, 49.3109

Protanopia

32.1846, 29.5455, 88.0109

Deuteranopia

29.8424, 29.2842, 45.1538



Tritanopia

45.0144, 28.8820, 15.2588

Trichromacy



Original Color

52.2310, 29.0614, 49.3109



Protanomaly

34.2440, 25.5736, 72.2386



Deuteranomaly

34.8492, 26.4570, 46.4500



Tritanomaly

47.1289, 28.6449, 24.5178

Monochromacy



Original Color

52.2310, 29.0614, 49.3109



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.8776, 24.0006, 34.0155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2310, 29.0614, 49.3109 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(255, 69, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 186)  
}
```

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(255, 69, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 186) }
```

Border

The CSS property to change the border of an element to XYZ 52.2310, 29.0614, 49.3109 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(255, 69, 186) }
```


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

```
.border{ border-color:rgb(255, 69, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2310, 29.0614, 49.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 186) }
```

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

```
.background{ background-color: rgb(255, 69,  
186) }
```

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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