

Converting Colors

XYZ(51.0244, 29.1291, 63.3197)

Have a look what the booklet for
XYZ(51.0244, 29.1291, 63.3197)
contains.

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Color

**XYZ(50.9226, 29.0727,
63.2493)**

Conversions

Conversions Part 1

Format	Color
Hex	F24FD1
RGB	242, 79, 209
RGB Percent	95%, 31%, 82%
CMY	0.0510, 0.6902, 0.1804
CMYK	0.00, 0.67, 0.14, 0.05
HSL	312°, 86%, 63%
HSV	312°, 67%, 95%
XYZ	50.9226, 29.0727, 63.2493
YIQ	142.5570, 55.4180, 74.9860

Conversions

Conversions Part 2

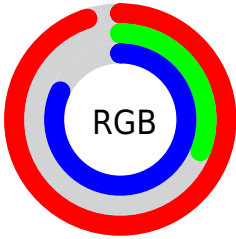
Format	Color
R _Y B	242, 79, 209
Decimal	15880145
CIE _{Lab}	60.85, 74.86, -34.38
CIE _{LCh}	61, 82.382, 335.331
Yxy	29.0727, 0.3555, 0.2030
Android (android.graphics.Color)	4294070225 (0xFFFF24FD1)
YUV	142.5570, 32.7564, 87.2115
Hunter-Lab	53.9191, 74.2216, -31.8062

Details

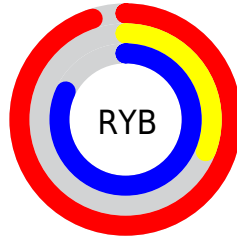
The XYZ color **50.9226, 29.0727, 63.2493** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.9027, 66.3375, 26.1387**, and the grayscale version is **25.7922, 27.1354, 29.5504**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **25.1241, 12.2782, 31.6176** is the 20% darker color. If you saturate the color by 10%, you get **48.8866, 25.9561, 59.6236**, and if you desaturate by 10%, it is **53.6142, 33.4695, 67.1860**.

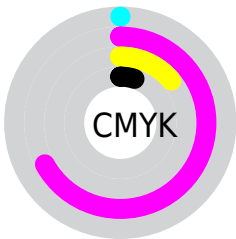
Distribution



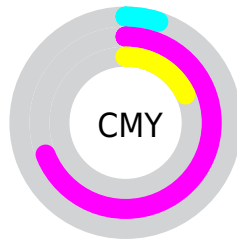
- Red (95%)
- Green (31%)
- Blue (82%)



- Red (95%)
- Yellow (31%)
- Blue (82%)



- Cyan (0%)
- Magenta (67%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (69%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9226, 29.0727, 63.2493 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 50.9226, 29.0727, 63.2493 by changing the saturation by 10% instead.


 50.9226, 29.0727,
63.2493


 50.9226, 29.0727,
63.2493


380.6556,
297.5578, 454.6065


 36.3678, 19.1358,
45.6006


 90.7240, 58.1926,
111.1181


 24.8898, 11.7685,
31.5844


 116.7014, 78.1444,
142.1754

 16.1233, 6.5862,
20.7821


 147.2169,
102.2032, 178.5392

 9.7028, 3.2047,
12.7751

 182.6361,
130.7536, 220.6282

 5.2631, 1.2395,
7.1450

223.3242,
164.1798, 268.8609

 2.4388, 0.0936,
3.4731

269.6466,

 0.8645, 0.0000,

202.8664, 323.6558

1.3410

321.9686,
247.1976, 385.4315

■ 0.0000, 0.0000,
0.0950

■ 0.0000, 0.0000,
0.0000

■ 50.9226, 29.0727,
63.2493

■ 50.9226, 29.0727,
63.2493

■ 48.8866, 25.9561,
59.6236

■ 53.6142, 33.4695,
67.1860

■ 47.4303, 23.9699,
56.2822

■ 57.0204, 39.2660,
71.4536

■ 46.4593, 22.9251,
53.1929

■ 61.1970, 46.5727,
76.0716

■ 46.2444, 22.7278,
52.4040

■ 66.1932, 55.4881,
81.0573

72.0541, 66.1020,
86.4264

78.8215, 78.4978,
92.1937

86.5345, 92.7534,
98.3729

89.3523, 97.1870,
103.0178

90.1235, 97.4955,
107.0788

Harmonies

Analogous

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



41.3532, 29.0727, 108.3962



50.9226, 29.0727, 63.2493



53.6647, 29.0727, 26.4798

Triad

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



50.9226, 29.0727, 63.2493



25.7610, 29.0727, 1.7494



13.9943, 29.0727, 79.5532

Complementary

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



50.9226, 29.0727, 63.2493



37.9027, 66.3375, 26.1387

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.



11.7681, 29.0727, 37.4646



50.9226, 29.0727, 63.2493



17.3421, 29.0727, 3.7869

Square

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



50.9226, 29.0727, 63.2493



37.1623, 29.0727, 2.6050



12.8122, 29.0727, 12.8527



19.8898, 29.0727, 121.3441

Rectangle

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



50.9226, 29.0727, 63.2493



50.7713, 29.0727, 12.5164



12.8122, 29.0727, 12.8527



12.8726, 29.0727, 64.2358

Sweetspot

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



50.9236, 29.0741, 63.2499



79.2646, 71.0184, 95.6559



25.4560, 15.4231, 85.6404



16.5624, 14.4694, 20.1072



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.



50.9236, 29.0741, 63.2499



54.3486, 28.2242, 65.6544



43.3050, 26.0267, 23.1310



16.3091, 15.9734, 19.1840



24.8931, 12.2297, 28.4172



2.1052, 1.0311, 2.5447

Inverse Universe

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



50.9236, 29.0741, 63.2499



54.3486, 28.2242, 65.6544



44.6148, 69.0223, 61.4837



16.3091, 15.9734, 19.1840



24.8931, 12.2297, 28.4172



2.1052, 1.0311, 2.5447

Previews

White Background



This preview shows how the XYZ color 50.9226, 29.0727, 63.2493 looks on a white background.

Color Contrast Check

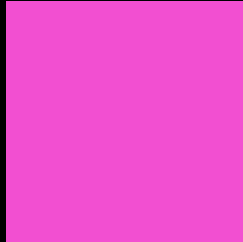
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9226, 29.0727, 63.2493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

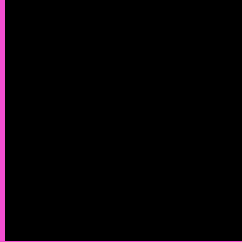
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.9226, 29.0727, 63.2493

Background



This preview shows how black text looks on a background with the XYZ color 50.9226, 29.0727, 63.2493.



This preview shows how white text looks on a background with the XYZ color 50.9226, 29.0727,

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

50.9226, 29.0727, 63.2493

Protanopia

32.9530, 29.7079, 98.6051

Deuteranopia

29.9499, 29.2799, 58.1059



Tritanopia

41.8992, 29.0539, 19.3192

Trichromacy



Original Color

50.9226, 29.0727, 63.2493



Protanomaly

34.7268, 26.0900, 84.0945



Deuteranomaly

34.6301, 26.7572, 59.8394



Tritanomaly

44.2916, 28.5522, 31.6105

Monochromacy



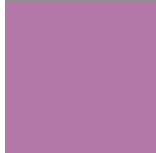
Original Color

50.9226, 29.0727, 63.2493



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

32.2819, 25.8067, 39.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9226, 29.0727, 63.2493 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, 79, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 79, 209)  
}
```

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, 79, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 79, 209) }
```

Border

The CSS property to change the border of an element to XYZ 50.9226, 29.0727, 63.2493 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, 79, 209) }
```


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

```
.border{ border-color:rgb(242, 79, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 79, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 79, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 79, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 79,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9226, 29.0727, 63.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 79, 209) }
```

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

```
.background{ background-color: rgb(242, 79,  
209) }
```

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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