

Converting Colors

XYZ(51.2815, 29.3061, 63.1878)

Have a look what the booklet for
XYZ(51.2815, 29.3061, 63.1878)
contains.

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Color

**XYZ(51.2668, 29.2501,
63.2654)**

Conversions

Conversions Part 1

Format	Color
Hex	F34FD1
RGB	243, 79, 209
RGB Percent	95%, 31%, 82%
CMY	0.0471, 0.6902, 0.1804
CMYK	0.00, 0.67, 0.14, 0.05
HSL	312°, 87%, 63%
HSV	312°, 67%, 95%
XYZ	51.2668, 29.2501, 63.2654
YIQ	142.8560, 56.0140, 75.1980

Conversions

Conversions Part 2

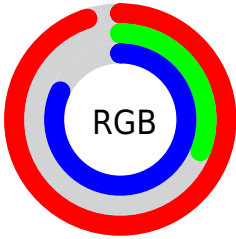
Format	Color
RYB	243, 79, 209
Decimal	15945681
CIELab	61.00, 75.10, -34.13
CIElCh	61, 82.495, 335.562
Yxy	29.2501, 0.3566, 0.2034
Android (android.graphics.Color)	4294135761 (0xFFFF34FD1)
YUV	142.8560, 32.6090, 87.8263
Hunter-Lab	54.0834, 74.5582, -31.4976

Details

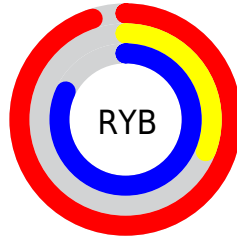
The XYZ color **51.2668, 29.2501, 63.2654** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **38.2572, 66.9569, 26.5330**, and the grayscale version is **25.9111, 27.2605, 29.6867**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **25.3612, 12.4004, 31.6287** is the 20% darker color. If you saturate the color by 10%, you get **49.2095, 26.1175, 59.5507**, and if you desaturate by 10%, it is **53.9860, 33.6739, 67.2986**.

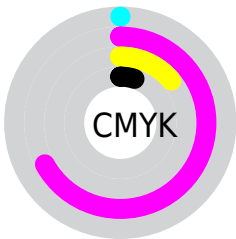
Distribution



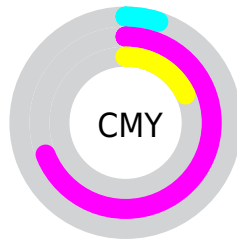
- Red (95%)
- Green (31%)
- Blue (82%)



- 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 51.2668, 29.2501, 63.2654 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 51.2668, 29.2501, 63.2654 by changing the saturation by 10% instead.


 51.2668, 29.2501,
63.2654


 51.2668, 29.2501,
63.2654

381.9701,
298.3932, 454.6665


 36.6429, 19.2701,
45.6136


 91.2297, 58.4742,
111.1416

 25.1035, 11.8656,
31.5945


 117.2993, 78.4871,
142.2030

 16.2833, 6.6522,
20.7897


 147.9150,
102.6131, 178.5714

 9.8170, 3.2456,
12.7806

 183.4419,
131.2366, 220.6653

 5.3391, 1.2612,
7.1487

224.2456,
164.7419, 268.9032

 2.4844, 0.1109,
3.4754

270.6912,

 0.8874, 0.0000,

203.5135, 323.7037

1.3422

323.1443,
247.9358, 385.4852

■ 0.0000, 0.0000,
0.0960

■ 0.0000, 0.0000,
0.0000

■ 51.2668, 29.2501,
63.2654

■ 51.2668, 29.2501,
63.2654

■ 49.2095, 26.1175,
59.5507

■ 53.9860, 33.6739,
67.2986

■ 47.7372, 24.1242,
56.1272


■ 57.4270, 39.5098,
71.6703


■ 46.7536, 23.0774,
52.9621


■ 61.6461, 46.8698,
76.4004


■ 46.5458, 22.8882,
52.1946


■ 66.6931, 55.8532,
81.5065

 72.6136, 66.5511,
87.0045

 79.4500, 79.0477,
92.9094

 87.2417, 93.4217,
99.2351

 89.8691, 97.4335,
103.9426

 90.6670, 97.7527,
108.1443

Harmonies

Analogous

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



41.6842, 29.2501, 108.6710



51.2668, 29.2501, 63.2654



53.9587, 29.2501, 26.4340

Triad

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



51.2668, 29.2501, 63.2654



25.8402, 29.2501, 1.7691



14.1176, 29.2501, 80.3571

Complementary

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



51.2668, 29.2501, 63.2654



38.2572, 66.9569, 26.5330

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.



11.8521, 29.2501, 37.9558



51.2668, 29.2501, 63.2654



17.4039, 29.2501, 3.8516

Square

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



51.2668, 29.2501, 63.2654



37.2897, 29.2501, 2.6088



12.8770, 29.2501, 13.0596



20.0767, 29.2501, 122.2408

Rectangle

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



51.2668, 29.2501, 63.2654



51.0089, 29.2501, 12.4859



12.8770, 29.2501, 13.0596



12.9801, 29.2501, 64.9472

Sweetspot

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



51.2678, 29.2515, 63.2660



79.2268, 71.0033, 95.4569



25.6320, 15.4964, 86.4350



16.5533, 14.4657, 20.0590



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.



51.2678, 29.2515, 63.2660



54.2213, 28.1733, 64.9841



43.6690, 26.2120, 23.2511



17.0578, 16.7060, 20.0510



25.5963, 12.5820, 28.9124



2.2858, 1.1203, 2.7315

Inverse Universe

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



51.2678, 29.2515, 63.2660



54.2213, 28.1733, 64.9841



44.9916, 69.6506, 61.9958



17.0578, 16.7060, 20.0510



25.5963, 12.5820, 28.9124



2.2858, 1.1203, 2.7315

Previews

White Background



This preview shows how the XYZ color 51.2668, 29.2501, 63.2654 looks on a white background.

Color Contrast Check

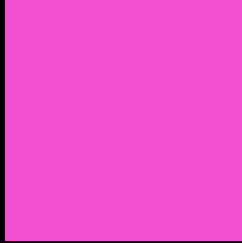
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2668, 29.2501, 63.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

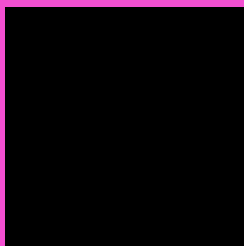
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.2668, 29.2501, 63.2654

Background



This preview shows how black text looks on a background with the XYZ color 51.2668, 29.2501, 63.2654.



This preview shows how white text looks on a background with the XYZ color 51.2668, 29.2501,

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

51.2668, 29.2501, 63.2654

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.1071, 29.3609, 58.1132



Tritanopia

42.2266, 29.2227, 19.3345

Trichromacy



Original Color

51.2668, 29.2501, 63.2654



Protanomaly

34.9116, 26.1853, 84.1031



Deuteranomaly

34.8504, 26.8708, 59.8497



Tritanomaly

44.6246, 28.7238, 31.6261

Monochromacy



Original Color

51.2668, 29.2501, 63.2654



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 51.2668, 29.2501, 63.2654 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(243, 79, 209)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 79, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 79, 209) }
```

Border

The CSS property to change the border of an element to XYZ 51.2668, 29.2501, 63.2654 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(243, 79, 209) }
```


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

```
.border{ border-color:rgb(243, 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(243, 79, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 79, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 79, 209);  
box-shadow:4px 4px 4px 4px rgb(243, 79,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2668, 29.2501, 63.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 79, 209) }
```

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

```
.background{ background-color: rgb(243, 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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