

Converting Colors

XYZ(49.9003, 28.3038, 58.9728)

Have a look what the booklet for XYZ(49.9003, 28.3038, 58.9728) contains.

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Color

**XYZ(49.8631, 28.3104,
58.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	F24CCA
RGB	242, 76, 202
RGB Percent	95%, 30%, 79%
CMY	0.0510, 0.7019, 0.2078
CMYK	0.00, 0.69, 0.17, 0.05
HSL	314°, 86%, 62%
HSV	314°, 69%, 95%
XYZ	49.8631, 28.3104, 58.7135
YIQ	139.9980, 58.4900, 74.3780

Conversions

Conversions Part 2

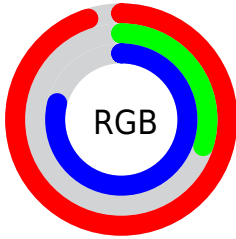
Format	Color
R _{YB}	242, 76, 202
Decimal	15879370
CIE Lab	60.17, 74.95, -31.46
CIE LCh	60, 81.284, 337.227
Yxy	28.3104, 0.3643, 0.2068
Android (android.graphics.Color)	4294069450 (0xFFFF24CCA)
YUV	139.9980, 30.5670, 89.4558
Hunter-Lab	53.2075, 74.1670, -28.1801

Details

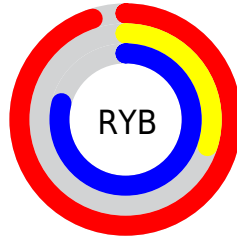
The XYZ color **49.8631, 28.3104, 58.7135** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.8865, 66.3028, 27.3267**, and the grayscale version is **24.7972, 26.0886, 28.4105**.

A 20% lighter version of the original color is **68.2357, 46.3713, 99.9619**, and **24.6367, 12.0832, 29.0508** is the 20% darker color. If you saturate the color by 10%, you get **47.8208, 25.3096, 54.6902**, and if you desaturate by 10%, it is **52.5600, 32.5777, 63.0842**.

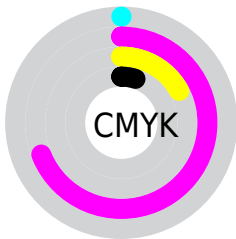
Distribution



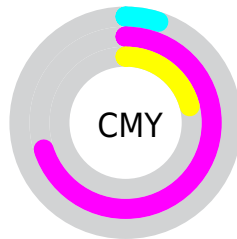
- Red (95%)
- Green (30%)
- Blue (79%)



- Red (95%)
- Yellow (30%)
- Blue (79%)



- Cyan (0%)
- Magenta (69%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (70%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8631, 28.3104, 58.7135 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 49.8631, 28.3104, 58.7135 by changing the saturation by 10% instead.


 49.8631, 28.3104,
58.7135

 49.8631, 28.3104,
58.7135

376.5912,
293.9472, 437.5116


 35.5220, 18.5598,
41.9640


 89.1650, 56.9796,
104.4862


 24.2336, 11.3526,
28.7478


 114.8566, 76.6670,
134.3465

 15.6327, 6.3045,
18.6462

 145.0623,
100.4355, 169.4141

 9.3538, 3.0311,
11.2407

 180.1476,
128.6693, 210.1077

 5.0316, 1.1480,
6.1127

220.4777,
161.7531, 256.8457

 2.3008, 0.0186,
2.8439

266.4182,

 0.7951, 0.0000,

200.0710, 310.0466

1.0155

318.3342,
244.0076, 370.1291

■ 0.0000, 0.0000,
0.0000

■ 49.8631, 28.3104,
58.7135

■ 49.8631, 28.3104,
58.7135

■ 47.8208, 25.3096,
54.6902

■ 52.5600, 32.5777,
63.0842

■ 46.3555, 23.4219,
50.9863

■ 55.9720, 38.2333,
67.8232


■ 45.3601, 22.4333,
47.5650


■ 60.1555, 45.3894,
72.9509


■ 45.2369, 22.3249,
47.0988


■ 65.1606, 54.1456,
78.4853

■ 71.0329, 64.5927,
84.4428

 77.8147, 76.8149,
90.8391

 85.5455, 90.8906,
97.6883

 89.4232, 97.2154,
103.3912

 90.3456, 97.5843,
108.2482

Harmonies

Analogous

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



40.9006, 28.3104, 102.5529



49.8631, 28.3104, 58.7135



52.0040, 28.3104, 24.1708

Triad

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



49.8631, 28.3104, 58.7135



24.4715, 28.3104, 1.7723



13.9254, 28.3104, 80.0378

Complementary

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



49.8631, 28.3104, 58.7135



37.8865, 66.3028, 27.3267

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.



11.5521, 28.3104, 38.6010



49.8631, 28.3104, 58.7135



16.5378, 28.3104, 4.0210

Square

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



49.8631, 28.3104, 58.7135



35.4095, 28.3104, 2.4388



12.3669, 28.3104, 13.5536



19.8897, 28.3104, 119.4514

Rectangle

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



49.8631, 28.3104, 58.7135



48.8793, 28.3104, 11.3536



12.3669, 28.3104, 13.5536



12.7619, 28.3104, 65.1285

Sweetspot

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



49.8640, 28.3118, 58.7140



78.2731, 69.6600, 93.4000



25.6483, 15.2082, 85.5888



16.3550, 14.1997, 19.5905



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.



49.8640, 28.3118, 58.7140



53.1857, 27.5952, 60.0353



42.6101, 25.4102, 20.5153



16.2819, 15.9625, 19.0408



24.3578, 12.0155, 25.5983



2.0649, 1.0150, 2.3325

Inverse Universe

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



49.8640, 28.3118, 58.7140



53.1857, 27.5952, 60.0353



44.8963, 69.1067, 64.2394



16.2819, 15.9625, 19.0408



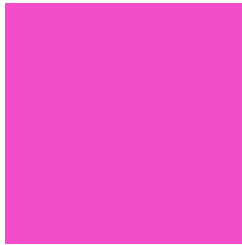
24.3578, 12.0155, 25.5983



2.0649, 1.0150, 2.3325

Previews

White Background



This preview shows how the XYZ color 49.8631, 28.3104, 58.7135 looks on a white background.

Color Contrast Check

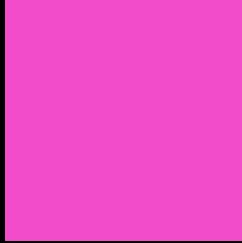
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8631, 28.3104, 58.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

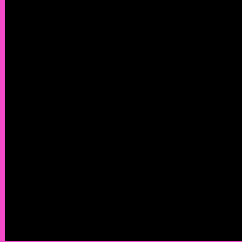
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.8631, 28.3104, 58.7135

Background



This preview shows how black text looks on a background with the XYZ color 49.8631, 28.3104, 58.7135.



This preview shows how white text looks on a background with the XYZ color 49.8631, 28.3104,

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

49.8631, 28.3104, 58.7135

Protanopia

32.3391, 28.9457, 98.4904

Deuteranopia

29.1684, 28.5190, 53.8366



Tritanopia

41.2690, 28.1499, 18.0102

Trichromacy



Original Color

49.8631, 28.3104, 58.7135



Protanomaly

33.8315, 25.3089, 82.4589



Deuteranomaly

33.7942, 26.0634, 55.4741



Tritanomaly

43.4643, 27.6447, 29.0317

Monochromacy



Original Color

49.8631, 28.3104, 58.7135



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

31.1036, 24.7140, 37.7813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8631, 28.3104, 58.7135 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, 76, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 76, 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(242, 76, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 76, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.8631, 28.3104, 58.7135 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, 76, 202) }
```


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

```
.border{ border-color:rgb(242, 76, 202) }
```

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

Here you see how a box with a 4 pixel rgb(242, 76, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 76, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 76, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 76,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8631, 28.3104, 58.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 76, 202) }
```

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

```
.background{ background-color: rgb(242, 76,  
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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