

Converting Colors

XYZ(56.1697, 31.2107, 50.2025)

Have a look what the booklet for
XYZ(56.1697, 31.2107, 50.2025)
contains.

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Color

**XYZ(52.3998, 29.2282,
49.8935)**

Conversions

Conversions Part 1

Format	Color
Hex	FF46BB
RGB	255, 70, 187
RGB Percent	100%, 27%, 73%
CMY	0.0000, 0.7254, 0.2667
CMYK	0.00, 0.73, 0.27, 0.00
HSL	322°, 100%, 64%
HSV	322°, 73%, 100%
XYZ	52.3998, 29.2282, 49.8935
YIQ	138.6530, 72.7030, 75.6070

Conversions

Conversions Part 2

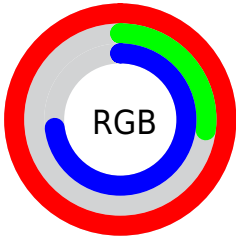
Format	Color
R_{YB}	255, 70, 187
Decimal	16729787
CIE _{Lab}	60.98, 78.16, -21.46
CIE _{LCh}	61, 81.056, 344.646
Yxy	29.2282, 0.3984, 0.2222
Android (android.graphics.Color)	4294919867 (0xFFFF46BB)
YUV	138.6530, 23.8351, 102.0363
Hunter-Lab	54.0631, 78.3978, -16.8731

Details

The XYZ color **52.3998, 29.2282, 49.8935** 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 **42.8749, 74.6578, 36.1997**, and the grayscale version is **24.3012, 25.5667, 27.8422**.

A 20% lighter version of the original color is **65.8052, 44.5061, 89.9162**, and **26.5512, 13.1906, 23.7009** is the 20% darker color. If you saturate the color by 10%, you get **50.1583, 26.2991, 44.3559**, and if you desaturate by 10%, it is **55.3849, 33.5395, 56.0026**.

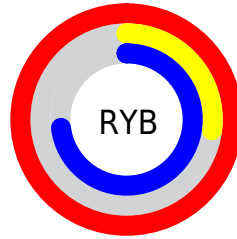
Distribution



Red (100%)

Green (27%)

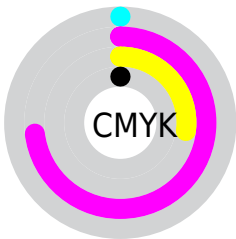
Blue (73%)



Red (100%)

Yellow (27%)

Blue (73%)

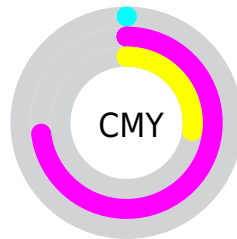


Cyan (0%)

Magenta (73%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3998, 29.2282, 49.8935 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 52.3998, 29.2282, 49.8935 by changing the saturation by 10% instead.


 52.3998, 29.2282,
49.8935


 52.3998, 29.2282,
49.8935


386.2768,
298.2901, 402.9724


 37.5494, 19.2535,
34.9582


 92.8913, 58.4395,
91.4117


 25.8088, 11.8536,
23.3474


 119.2632, 78.4448,
118.8318

 16.8126, 6.6441,
14.6425


 150.2062,
102.5625, 151.2504

 10.1954, 3.2405,
8.4251

 186.0858,
131.1770, 189.0863

 5.5920, 1.2586,
4.2765

227.2673,
164.6726, 232.7579

 2.6369, 0.1088,
1.7782

274.1161,

 0.9648, 0.0000,

203.4337, 282.6837

0.4135

326.9974,
247.8448, 339.2824

■ 0.0000, 0.0000,
0.0000

■ 52.3998, 29.2282,
49.8935

■ 52.3998, 29.2282,
49.8935

■ 50.1583, 26.2991,
44.3559

■ 55.3849, 33.5395,
56.0026

■ 48.5646, 24.5628,
39.3511


■ 59.1887, 39.3816,
62.7136


■ 47.6964, 23.8426,
35.9290

■ 63.8793, 46.8884,
70.0551

■ 69.5165, 56.1782,
78.0527

■ 76.1550, 67.3583,
86.7301

 83.8450, 80.5273,
96.1096

 92.6333, 95.7773,
106.2118

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.



44.6832, 29.2282, 93.9396



52.3998, 29.2282, 49.8935



52.4993, 29.2282, 19.2416

Triad

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



52.3998, 29.2282, 49.8935



22.9444, 29.2282, 2.1798



15.6677, 29.2282, 92.8952

Complementary

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



52.3998, 29.2282, 49.8935



42.8749, 74.6578, 36.1997

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.



12.3721, 29.2282, 48.9602



52.3998, 29.2282, 49.8935



15.7895, 29.2282, 5.7557

Square

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



52.3998, 29.2282, 49.8935



33.5272, 29.2282, 2.2112



12.4101, 29.2282, 18.7483



22.7311, 29.2282, 127.6578

Rectangle

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



52.3998, 29.2282, 49.8935



48.1202, 29.2282, 8.8540



12.4101, 29.2282, 18.7483



14.1724, 29.2282, 77.8107

Sweetspot

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



52.4006, 29.2297, 49.8940



76.5461, 68.0231, 87.2225



30.6958, 16.9915, 96.2696



15.9736, 13.8634, 18.1487



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.



52.4006, 29.2297, 49.8940



49.3745, 25.3907, 42.0626



45.4818, 26.4622, 13.4602



18.4928, 18.1804, 21.2122



24.9968, 12.4880, 19.1656



2.4865, 1.2370, 2.1435

Inverse Universe

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



52.4006, 29.2297, 49.8940



49.3745, 25.3907, 42.0626



52.6167, 78.5545, 87.4991



18.4928, 18.1804, 21.2122



24.9968, 12.4880, 19.1656



2.4865, 1.2370, 2.1435

Previews

White Background



This preview shows how the XYZ color 52.3998, 29.2282, 49.8935 looks on a white background.

Color Contrast Check

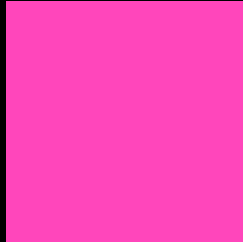
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.3998, 29.2282, 49.8935 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 52.3998, 29.2282, 49.8935

Background



This preview shows how black text looks on a background with the XYZ color 52.3998, 29.2282, 49.8935.



This preview shows how white text looks on a background with the XYZ color 52.3998, 29.2282,

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

52.3998, 29.2282, 49.8935

Protanopia

32.3353, 29.6057, 88.8042

Deuteranopia

29.9417, 29.3239, 45.6770



Tritanopia

45.1526, 29.0805, 15.5452

Trichromacy



Original Color

52.3998, 29.2282, 49.8935



Protanomaly

34.3785, 25.6274, 72.9467



Deuteranomaly

34.9515, 26.4979, 46.9885



Tritanomaly

47.2763, 28.8307, 24.9029

Monochromacy



Original Color

52.3998, 29.2282, 49.8935



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

31.0741, 24.2587, 34.4971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3998, 29.2282, 49.8935 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, 70, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 187)  
}
```

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, 70, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 187) }
```

Border

The CSS property to change the border of an element to XYZ 52.3998, 29.2282, 49.8935 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, 70, 187) }
```


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

```
.border{ border-color:rgb(255, 70, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3998, 29.2282, 49.8935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 187) }
```

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

```
.background{ background-color: rgb(255, 70,  
187) }
```

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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