

Converting Colors

XYZ(57.8030, 33.7729, 25.2820)

Have a look what the booklet for
XYZ(57.8030, 33.7729, 25.2820)
contains.

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Color

**XYZ(48.4222, 28.9605,
24.8676)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5284
RGB	255, 82, 132
RGB Percent	100%, 32%, 52%
CMY	0.0000, 0.6784, 0.4824
CMYK	0.00, 0.68, 0.48, 0.00
HSL	343°, 100%, 66%
HSV	343°, 68%, 100%
XYZ	48.4222, 28.9605, 24.8676
YIQ	139.4270, 87.0580, 52.2260

Conversions

Conversions Part 2

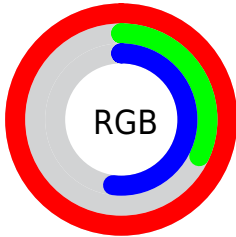
Format	Color
R_{YB}	255, 82, 132
Decimal	16732804
CIE Lab	60.75, 68.53, 10.07
CIE LCh	61, 69.267, 8.360
Yxy	28.9605, 0.4736, 0.2832
Android (android.graphics.Color)	4294922884 (0xFFFF5284)
YUV	139.4270, -3.6615, 101.3575
Hunter-Lab	53.8150, 66.4365, 10.2729

Details

The XYZ color **48.4222, 28.9605, 24.8676** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.2612, 77.7225, 70.1167**, and the grayscale version is **24.6969, 25.9831, 28.2956**.

A 20% lighter version of the original color is **59.5218, 43.8125, 51.2185**, and **23.5537, 11.9620, 9.2511** is the 20% darker color. If you saturate the color by 10%, you get **45.7088, 25.3500, 18.3646**, and if you desaturate by 10%, it is **52.0667, 34.0884, 32.7453**.

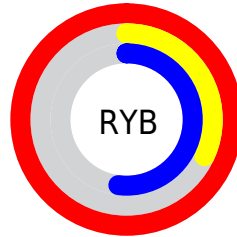
Distribution



Red (100%)

Green (32%)

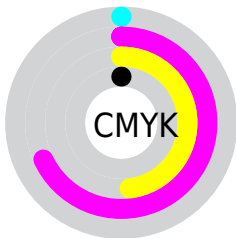
Blue (52%)



Red (100%)

Yellow (32%)

Blue (52%)

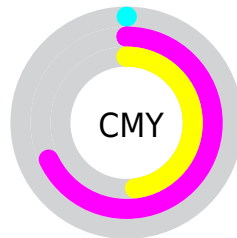


Cyan (0%)

Magenta (68%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4222, 28.9605, 24.8676 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 48.4222, 28.9605, 24.8676 by changing the saturation by 10% instead.


 48.4222, 28.9605,
24.8676


 48.4222, 28.9605,
24.8676


371.0180,
297.0285, 290.6045


 34.3740, 19.0509,
15.7603


 87.0386, 58.0143,
52.4038

 23.3453, 11.7071,
9.2022


 112.3375, 77.9274,
71.6698

 14.9708, 6.5446,
4.7747


 142.1173,
101.9437, 95.1591

 8.8851, 3.1789,
2.0593

 176.7434,
130.4477, 123.2903

 4.7228, 1.2259,
0.5914

216.5812,
163.8238, 156.4819

 2.1186, 0.0827,
0.0000

261.9960,

 0.6993, 0.0000,

202.4564, 195.1524

0.0000

313.3531,
246.7298, 239.7204

■ 0.0000, 0.0000,
0.0000

■ 48.4222, 28.9605,
24.8676

■ 48.4222, 28.9605,
24.8676

■ 45.7088, 25.3500,
18.3646

■ 52.0667, 34.0884,
32.7453

■ 43.8295, 23.0802,
13.1482

■ 56.7213, 40.8749,
42.0743


■ 42.6609, 21.9240,
9.1174

■ 62.4589, 49.4502,
52.9271

■ 42.4656, 21.7502,
8.3838

■ 69.3448, 59.9302,
65.3702

■ 77.4388, 72.4210,
79.4662

 86.7967, 87.0208,
95.2744

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.



46.9295, 28.9605, 53.5475



48.4222, 28.9605, 24.8676



43.4325, 28.9605, 9.7037

Triad

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



48.4222, 28.9605, 24.8676



18.1294, 28.9605, 6.4607



21.6292, 28.9605, 103.5928

Complementary

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



48.4222, 28.9605, 24.8676



50.2612, 77.7225, 70.1167

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.



16.0719, 28.9605, 73.3299



48.4222, 28.9605, 24.8676



14.3790, 28.9605, 16.5695

Square

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



48.4222, 28.9605, 24.8676



25.0880, 28.9605, 3.5330



13.7181, 28.9605, 39.2944



30.1172, 28.9605, 110.2825

Rectangle

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



48.4222, 28.9605, 24.8676



37.6296, 28.9605, 5.3714



13.7181, 28.9605, 39.2944



19.4153, 28.9605, 95.2726

Sweetspot

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



48.4230, 28.9621, 24.8681



75.5846, 69.5464, 76.2771



45.7248, 25.9672, 97.2099



15.6807, 14.1167, 15.4640



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.



48.4230, 28.9621, 24.8681



45.0296, 24.4966, 16.5810



49.0791, 34.5009, 12.0573



18.2252, 18.0734, 19.8032



22.2448, 11.3872, 4.6736



2.2108, 1.1267, 0.6915

Inverse Universe

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



48.4230, 28.9621, 24.8681



45.0296, 24.4966, 16.5810



47.2294, 60.4120, 103.7791



18.2252, 18.0734, 19.8032



22.2448, 11.3872, 4.6736



2.2108, 1.1267, 0.6915

Previews

White Background



This preview shows how the XYZ color 48.4222, 28.9605, 24.8676 looks on a white background.

Color Contrast Check

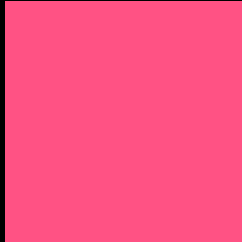
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4222, 28.9605, 24.8676 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 48.4222, 28.9605, 24.8676

Background



This preview shows how black text looks on a background with the XYZ color 48.4222, 28.9605, 24.8676.



This preview shows how white text looks on a background with the XYZ color 48.4222, 28.9605,

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

48.4222, 28.9605, 24.8676

Protanopia

28.5816, 29.1874, 40.6865

Deuteranopia

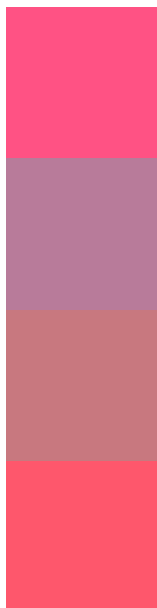
29.5252, 28.9400, 23.0986



Tritanopia

46.2297, 29.0212, 13.9915

Trichromacy



Original Color

48.4222, 28.9605, 24.8676

Protanomaly

32.6829, 26.6894, 34.0008

Deuteranomaly

34.3667, 27.2446, 23.5261

Tritanomaly

46.9880, 28.9699, 17.3026

Monochromacy



Original Color

48.4222, 28.9605, 24.8676

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.9784, 24.5582, 26.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4222, 28.9605, 24.8676 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, 82, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 132)  
}
```

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, 82, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 132) }
```

Border

The CSS property to change the border of an element to XYZ 48.4222, 28.9605, 24.8676 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, 82, 132) }
```


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

```
.border{ border-color:rgb(255, 82, 132) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4222, 28.9605, 24.8676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 132) }
```

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

```
.background{ background-color: rgb(255, 82,  
132) }
```

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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