

# Converting Colors

XYZ(50.4774, 28.2495, 49.2466)

Have a look what the booklet for XYZ(50.4774, 28.2495, 49.2466) contains.

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# Color

**XYZ(50.4774, 28.2495,  
49.2466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA46BA
RGB	250, 70, 186
RGB Percent	98%, 27%, 73%
CMY	0.0196, 0.7254, 0.2706
CMYK	0.00, 0.72, 0.26, 0.02
HSL	321°, 95%, 63%
HSV	321°, 72%, 98%
XYZ	50.4774, 28.2495, 49.2466
YIQ	137.0440, 70.0440, 74.2360

# Conversions

## Conversions Part 2

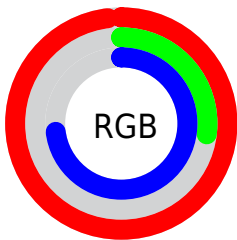
Format	Color
R <sub>Y</sub> B	250, 70, 186
Decimal	16402106
CIE Lab	60.11, 76.83, -22.29
CIE LCh	60, 80.001, 343.821
Yxy	28.2495, 0.3944, 0.2207
Android (android.graphics.Color)	4294592186 (0xFFFA46BA)
YUV	137.0440, 24.1353, 99.0624
Hunter-Lab	53.1503, 76.5105, -17.7302

# Details

The XYZ color **50.4774, 28.2495, 49.2466** 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 **41.0162, 71.3954, 34.1773**, and the grayscale version is **23.6895, 24.9232, 27.1414**.

A 20% lighter version of the original color is **65.5183, 44.1733, 89.0775**, and **25.2199, 12.5123, 23.2762** is the 20% darker color. If you saturate the color by 10%, you get **48.3101, 25.3804, 44.0057**, and if you desaturate by 10%, it is **53.3556, 32.4457, 55.0150**.

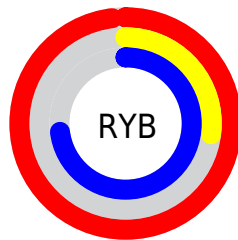
# Distribution



Red (98%)

Green (27%)

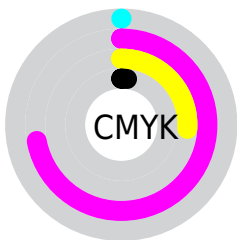
Blue (73%)



Red (98%)

Yellow (27%)

Blue (73%)

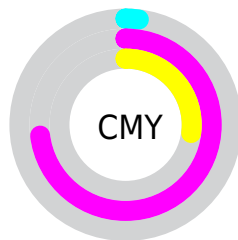


Cyan (0%)

Magenta (72%)

Yellow (26%)

Black (2%)



Cyan (2%)

Magenta (73%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4774, 28.2495, 49.2466 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 50.4774, 28.2495, 49.2466 by changing the saturation by 10% instead.





 50.4774, 28.2495,  
49.2466


 50.4774, 28.2495,  
49.2466


378.9511,  
293.6572, 400.3627


 36.0122, 18.5138,  
34.4482


 90.0694, 56.8825,  
90.4424


 24.6138, 11.3195,  
22.9580


 115.9270, 76.5487,  
117.6768


 15.9167, 6.2822,  
14.3575


 146.3127,  
100.2938, 149.8936

 9.5557, 3.0174,  
8.2281

 181.5919,  
128.5022, 187.5114

 5.1654, 1.1408,  
4.1514

 222.1300,  
161.5584, 230.9486

 2.3804, 0.0126,  
1.7088

268.2923,

 0.8353, 0.0000,

199.8467, 280.6239

0.3667

320.4443,  
243.7515, 336.9557

■ 0.0000, 0.0000,  
0.0000

■ 50.4774, 28.2495,  
49.2466

■ 50.4774, 28.2495,  
49.2466

■ 48.3101, 25.3804,  
44.0057

■ 53.3556, 32.4457,  
55.0150

■ 46.7633, 23.6602,  
39.2563


■ 57.0149, 38.1088,  
61.3388

■ 45.8668, 22.9010,  
35.7702


■ 61.5198, 45.3656,  
68.2445

■ 66.9270, 54.3281,  
75.7561

■ 73.2880, 65.0978,  
83.8953

 80.6505, 77.7684,  
92.6827

 89.0588, 92.4272,  
102.1375

 93.2344, 99.0640,  
108.8150

# Harmonies

## Analogous

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



42.8764, 28.2495, 91.8160



50.4774, 28.2495, 49.2466



50.7967, 28.2495, 19.1824

# Triad

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



50.4774, 28.2495, 49.2466



22.4260, 28.2495, 2.0895



15.0255, 28.2495, 88.4644

# Complementary

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



50.4774, 28.2495, 49.2466



41.0162, 71.3954, 34.1773

# 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.



11.9367, 28.2495, 46.2496



50.4774, 28.2495, 49.2466



15.4169, 28.2495, 5.4062

# Square

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



50.4774, 28.2495, 49.2466



32.7037, 28.2495, 2.1908



12.0589, 28.2495, 17.5962



21.7407, 28.2495, 122.5893



# Rectangle

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



50.4774, 28.2495, 49.2466



46.6978, 28.2495, 8.8705



12.0589, 28.2495, 17.5962



13.6145, 28.2495, 73.8960

# Sweetspot

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



50.4783, 28.2510, 49.2471



76.6434, 68.0620, 87.7345



29.1203, 16.2710, 92.0485



15.9966, 13.8726, 18.2701



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.



50.4783, 28.2510, 49.2471



49.7998, 25.6789, 43.9383



43.7734, 25.5690, 13.9398



17.7157, 17.4136, 20.3585



24.4002, 12.1758, 19.3477



2.3103, 1.1479, 2.0576



# Inverse Universe

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



50.4783, 28.2510, 49.2471



49.7998, 25.6789, 43.9383



50.0318, 75.0017, 81.6532



17.7157, 17.4136, 20.3585



24.4002, 12.1758, 19.3477



2.3103, 1.1479, 2.0576



# Previews

## White Background



This preview shows how the XYZ color 50.4774, 28.2495, 49.2466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

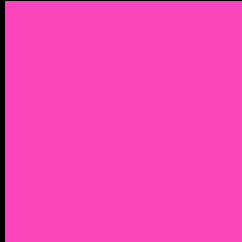
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4774, 28.2495, 49.2466 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 50.4774, 28.2495, 49.2466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4774, 28.2495, 49.2466.



This preview shows how white text looks on a background with the XYZ color 50.4774, 28.2495,



# 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

50.4774, 28.2495, 49.2466

### Protanopia

31.3759, 28.7001, 87.1051

### Deuteranopia

29.0111, 28.4099, 45.0289



## Tritanopia

43.4033, 28.1787, 15.4633

# Trichromacy



## Original Color

50.4774, 28.2495, 49.2466



## Protanomaly

33.3971, 24.9803, 71.4681



## Deuteranomaly

34.0120, 25.8533, 46.3776



## Tritanomaly

45.4987, 27.9144, 24.8198

# Monochromacy



## Original Color

50.4774, 28.2495, 49.2466



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

30.1816, 23.6418, 33.9829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4774, 28.2495, 49.2466 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(250, 70, 186)` looks like.

```
.text, #text, p{  
    color:rgb(250, 70, 186)  
}
```

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(250, 70, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 70, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4774, 28.2495, 49.2466 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(250, 70, 186) }
```



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

```
.border{ border-color:rgb(250, 70, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 70, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 70, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 70, 186);  
box-shadow:4px 4px 4px 4px rgb(250, 70,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4774, 28.2495, 49.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 70, 186) }
```

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

```
.background{ background-color: rgb(250, 70,  
186) }
```

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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