

# Converting Colors

XYZ(47.5488, 27.1203, 74.7032)

Have a look what the booklet for  
XYZ(47.5488, 27.1203, 74.7032)  
contains.

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# Color

**XYZ(47.5748, 27.0905,  
74.6730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E14FE2
RGB	225, 79, 226
RGB Percent	88%, 31%, 89%
CMY	0.1176, 0.6902, 0.1137
CMYK	0.00, 0.65, 0.00, 0.11
HSL	300°, 72%, 60%
HSV	300°, 65%, 89%
XYZ	47.5748, 27.0905, 74.6730
YIQ	139.4120, 39.8290, 76.6690

# Conversions

## Conversions Part 2

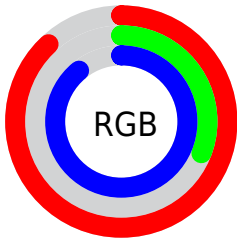
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 79, 226
Decimal	14766050
CIE Lab	59.06, 73.47, -46.96
CIE LCh	59, 87.194, 327.412
Yxy	27.0905, 0.3186, 0.1814
Android (android.graphics.Color)	4292956130 (0xFFE14FE2)
YUV	139.4120, 42.6879, 75.0607
Hunter-Lab	52.0485, 72.0724, -48.6282

# Details

The XYZ color **47.5748, 27.0905, 74.6730** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.9167, 56.6633, 16.6533**, and the grayscale version is **24.5304, 25.8079, 28.1048**.

A 20% lighter version of the original color is **68.3785, 46.6570, 100.0095**, and **22.9816, 11.0093, 38.9439** is the 20% darker color. If you saturate the color by 10%, you get **46.1655, 24.3421, 74.2171**, and if you desaturate by 10%, it is **49.5401, 30.9491, 75.3146**.

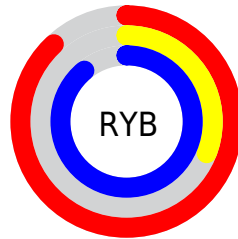
# Distribution



Red (88%)

Green (31%)

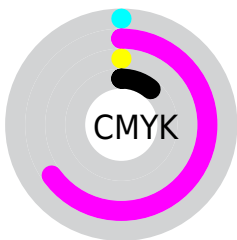
Blue (89%)



Red (88%)

Yellow (31%)

Blue (89%)

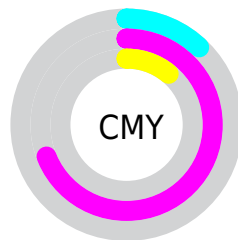


Cyan (0%)

Magenta (65%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (69%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5748, 27.0905, 74.6730 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 47.5748, 27.0905, 74.6730 by changing the saturation by 10% instead.





 47.5748, 27.0905,  
74.6730

 47.5748, 27.0905,  
74.6730

367.7150,  
288.0950, 496.0183

 33.7001, 17.6412,  
54.8449


 85.7845, 55.0291,  
127.5922

 22.8251, 10.6927,  
38.8798


 110.8503, 74.2871,  
161.5204

 14.5844, 5.8606,  
26.3591


 140.3771, 97.5835,  
200.9858

 8.6127, 2.7605,  
16.8643

 174.7304,  
125.3027, 246.4068

 4.5445, 1.0080,  
9.9769

214.2755,  
157.8291, 298.2020

 2.0145, 0.0000,  
5.2782

259.3777,

 0.6421, 0.0000,

195.5470, 356.7899

2.3498

310.4024,  
238.8408, 422.5892

■ 0.0000, 0.0000,  
0.7589

■ 0.0000, 0.0000,  
0.0000

■ 47.5748, 27.0905,  
74.6730

■ 47.5748, 27.0905,  
74.6730

■ 46.1655, 24.3421,  
74.2171

■ 49.5401, 30.9491,  
75.3146

■ 45.2502, 22.5825,  
73.9258


■ 52.1088, 36.0154,  
76.1571


■ 44.7580, 21.6690,  
73.7754


■ 55.3269, 42.3803,  
77.2160


■ 44.6122, 21.4127,  
73.7336


■ 59.2350, 50.1253,  
78.5050

 63.8704, 59.3248,  
80.0363

 69.2679, 70.0482,  
81.8217

 75.4597, 82.3604,  
83.8718

 80.9238, 93.2170,  
85.6794

 80.9721, 93.2419,  
85.6817

# Harmonies

## Analogous

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



36.5719, 27.0905, 120.3962



47.5748, 27.0905, 74.6730



52.6484, 27.0905, 32.2718

# Triad

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



47.5748, 27.0905, 74.6730



26.7002, 27.0905, 1.0305



11.3365, 27.0905, 66.3424

# Complementary

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



47.5748, 27.0905, 74.6730



31.9167, 56.6633, 16.6533

# 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.



10.0481, 27.0905, 26.8859



47.5748, 27.0905, 74.6730



17.3041, 27.0905, 1.9144

# Square

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



47.5748, 27.0905, 74.6730



38.6680, 27.0905, 2.3829



11.8893, 27.0905, 7.6280



16.0847, 27.0905, 113.6506



# Rectangle

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



47.5748, 27.0905, 74.6730



51.1600, 27.0905, 15.0106



11.8893, 27.0905, 7.6280



10.5545, 27.0905, 51.1780

# Sweetspot

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



47.5758, 27.0917, 74.6736



80.7555, 71.6001, 104.1717



19.9290, 13.1065, 73.4313



16.9249, 14.6108, 22.1781



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.



47.5758, 27.0917, 74.6736



60.2135, 31.0626, 97.4298



40.0731, 24.1267, 33.5347



14.2854, 13.9307, 17.3236



25.4556, 12.2182, 42.0650



1.7675, 0.8485, 2.9159



# Inverse Universe

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



35.6088, 22.3410, 10.0259



43.4089, 24.3980, 6.3516



35.9308, 58.2593, 38.2282



13.7110, 13.7020, 14.2485



17.8997, 9.2269, 0.8719



1.2421, 0.6401, 0.0675



# Previews

## White Background



This preview shows how the XYZ color 47.5748, 27.0905, 74.6730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

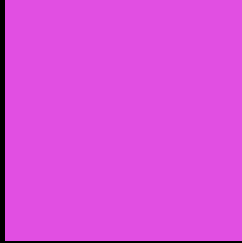
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5748, 27.0905, 74.6730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

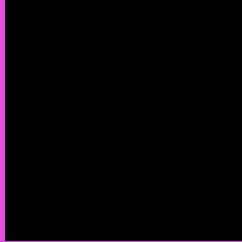
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.5748, 27.0905, 74.6730**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5748, 27.0905, 74.6730.



This preview shows how white text looks on a background with the XYZ color 47.5748, 27.0905,



# 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

47.5748, 27.0905, 74.6730

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.1311, 27.4297, 68.7775



## Tritanopia

36.6249, 27.0905, 21.0680

# Trichromacy



## Original Color

47.5748, 27.0905, 74.6730



## Protanomaly

33.0070, 24.5726, 88.5913



## Deuteranomaly

32.0928, 24.8450, 70.8142



## Tritanomaly

39.4305, 26.3693, 35.8125

# Monochromacy



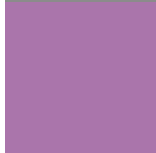
## Original Color

47.5748, 27.0905, 74.6730



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

30.2895, 24.2089, 41.6044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5748, 27.0905, 74.6730 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(225, 79, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 79, 226)  
}
```

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(225, 79, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 79, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5748, 27.0905, 74.6730 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(225, 79, 226) }
```



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

```
.border{ border-color:rgb(225, 79, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 79, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 79, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 79, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 79,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5748, 27.0905, 74.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 79, 226) }
```

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

```
.background{ background-color: rgb(225, 79,  
226) }
```

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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