

# Converting Colors

XYZ(49.2714, 30.4309, 75.2818)

Have a look what the booklet for  
XYZ(49.2714, 30.4309, 75.2818)  
contains.

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# Color

**XYZ(49.2406, 30.4222,  
75.2283)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E163E2
RGB	225, 99, 226
RGB Percent	88%, 39%, 89%
CMY	0.1176, 0.6117, 0.1137
CMYK	0.00, 0.56, 0.00, 0.11
HSL	300°, 69%, 64%
HSV	300°, 56%, 89%
XYZ	49.2406, 30.4222, 75.2283
YIQ	151.1520, 34.3290, 66.2090

# Conversions

## Conversions Part 2

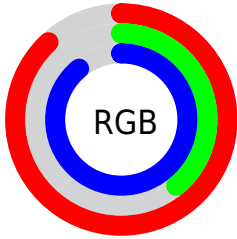
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 99, 226
Decimal	14771170
CIE <sub>Lab</sub>	62.02, 65.29, -42.30
CIE <sub>LCh</sub>	62, 77.797, 327.065
Y <sub>xy</sub>	30.4222, 0.3179, 0.1964
Android (android.graphics.Color)	4292961250 (0xFFE163E2)
Y <sub>UV</sub>	151.1520, 36.9001, 64.7647
Hunter-Lab	55.1563, 62.8316, -42.2568

# Details

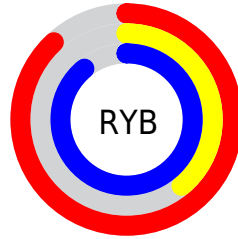
The XYZ color **49.2406, 30.4222, 75.2283** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.7050, 58.0036, 21.1725**, and the grayscale version is **29.3184, 30.8452, 33.5905**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **23.9176, 12.5688, 39.1956** is the 20% darker color. If you saturate the color by 10%, you get **47.3364, 26.6952, 74.6097**, and if you desaturate by 10%, it is **51.7460, 35.3499, 76.0478**.

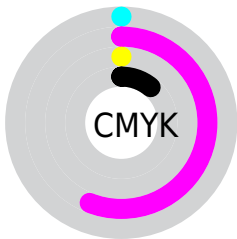
# Distribution



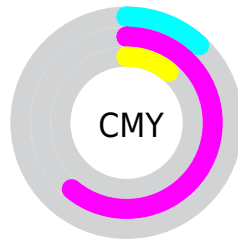
- Red (88%)
- Green (39%)
- Blue (89%)



- Red (88%)
- Yellow (39%)
- Blue (89%)



- Cyan (0%)
- Magenta (56%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (61%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2406, 30.4222, 75.2283 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 49.2406, 30.4222, 75.2283 by changing the saturation by 10% instead.





 49.2406, 30.4222,  
75.2283


 49.2406, 30.4222,  
75.2283

374.1900,  
303.8675, 497.9782


 35.0257, 20.1593,  
55.2971


 88.2473, 60.3292,  
128.3855

 23.8493, 12.5109,  
39.2394


 113.7697, 80.7421,  
162.4487

 15.3460, 7.0926,  
26.6368


 143.7921,  
105.3071, 202.0595

 9.1505, 3.5201,  
17.0706

 178.6798,  
134.4086, 247.6366

 4.8973, 1.4089,  
10.1223

218.7980,  
168.4310, 299.5984

 2.2213, 0.2233,  
5.3735

264.5122,

 0.7539, 0.0000,

207.7587, 358.3637

2.4055

316.1878,  
252.7760, 424.3507

■ 0.0000, 0.0000,  
0.7894

■ 0.0000, 0.0000,  
0.0000

■ 49.2406, 30.4222,  
75.2283

■ 49.2406, 30.4222,  
75.2283

■ 47.3364, 26.6952,  
74.6097

■ 51.7460, 35.3499,  
76.0478

■ 45.9787, 24.0620,  
74.1730


■ 54.8948, 41.5650,  
77.0815


■ 45.1086, 22.4039,  
73.8988


■ 58.7291, 49.1511,  
78.3437


■ 44.6514, 21.5715,  
73.7622


■ 63.2866, 58.1835,  
79.8469


 44.5370, 21.3739,  
73.7301

 68.6022, 68.7321,  
81.6028

 74.7087, 80.8622,  
83.6223

 80.9288, 93.2196,  
85.6797

 80.9847, 93.2484,  
85.6823

 81.0406, 93.2772,  
85.6849

# Harmonies

## Analogous

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



39.0415, 30.4222, 115.1894



49.2406, 30.4222, 75.2283



53.9446, 30.4222, 36.1553

# Triad

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



49.2406, 30.4222, 75.2283



29.9551, 30.4222, 2.4963



14.4735, 30.4222, 66.7611

# Complementary

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



49.2406, 30.4222, 75.2283



34.7050, 58.0036, 21.1725

# 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.



13.1473, 30.4222, 30.2682



49.2406, 30.4222, 75.2283



20.7117, 30.4222, 3.7783

# Square

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



49.2406, 30.4222, 75.2283



41.2562, 30.4222, 4.5136



15.1309, 30.4222, 10.6726



19.3193, 30.4222, 108.5662



# Rectangle

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



49.2406, 30.4222, 75.2283



52.6559, 30.4222, 18.9590



15.1309, 30.4222, 10.6726



13.6607, 30.4222, 53.0156

# Sweetspot

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



49.2417, 30.4236, 75.2289



82.6207, 75.3275, 104.7928



23.5393, 17.4751, 74.0843



17.4119, 15.5832, 22.3401



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.



49.2417, 30.4236, 75.2289



61.9791, 34.5899, 98.0176



42.5836, 27.7964, 38.5370



14.2838, 13.9299, 17.3236



25.4134, 12.1964, 42.0631



1.7650, 0.8472, 2.9157



# Inverse Universe

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



38.1271, 26.0138, 15.0695



46.0814, 28.2877, 11.7290



38.7218, 59.5976, 42.8979



13.7116, 13.7023, 14.2516



17.9008, 9.2273, 0.8773



1.2423, 0.6402, 0.0690



# Previews

## White Background



This preview shows how the XYZ color 49.2406, 30.4222, 75.2283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

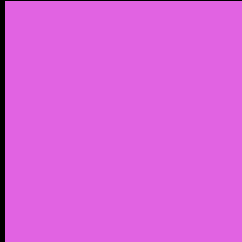
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2406, 30.4222, 75.2283 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

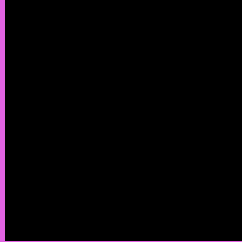
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.2406, 30.4222, 75.2283**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2406, 30.4222, 75.2283.



This preview shows how white text looks on a background with the XYZ color 49.2406, 30.4222,

75.2283.

# 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

49.2406, 30.4222, 75.2283

### Protanopia

34.0772, 30.9710, 98.7897

### Deuteranopia

31.4402, 30.7156, 69.9173



## Tritanopia

39.1728, 30.4049, 25.9944

# Trichromacy



## Original Color

49.2406, 30.4222, 75.2283



## Protanomaly

36.3444, 28.7000, 89.2120



## Deuteranomaly

35.5318, 28.8735, 71.4106



## Tritanomaly

42.0192, 29.9569, 40.1268

# Monochromacy



## Original Color

49.2406, 30.4222, 75.2283



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

34.6472, 29.1819, 45.9260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2406, 30.4222, 75.2283 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, 99, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 99, 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, 99, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 99, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2406, 30.4222, 75.2283 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, 99, 226) }
```



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

```
.border{ border-color:rgb(225, 99, 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, 99, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 99, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 99, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 99,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2406, 30.4222, 75.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 99, 226) }
```

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

```
.background{ background-color: rgb(225, 99,  
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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