

# Converting Colors

XYZ(49.7432, 31.9424, 73.4803)

Have a look what the booklet for  
XYZ(49.7432, 31.9424, 73.4803)  
contains.

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# Color

**XYZ(49.6283, 31.8507,  
73.3441)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E16BDF
RGB	225, 107, 223
RGB Percent	88%, 42%, 87%
CMY	0.1176, 0.5804, 0.1255
CMYK	0.00, 0.52, 0.01, 0.12
HSL	301°, 66%, 65%
HSV	301°, 52%, 88%
XYZ	49.6283, 31.8507, 73.3441
YIQ	155.5060, 33.0920, 61.0920

# Conversions

## Conversions Part 2

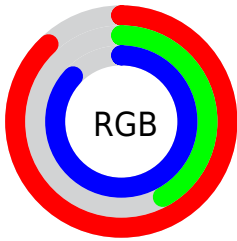
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 107, 223
Decimal	14773215
CIE Lab	63.22, 61.16, -38.74
CIE LCh	63, 72.396, 327.653
Yxy	31.8507, 0.3205, 0.2057
Android (android.graphics.Color)	4292963295 (0xFFE16BDF)
YUV	155.5060, 33.2745, 60.9462
Hunter-Lab	56.4364, 58.2032, -37.5471

# Details

The XYZ color **49.6283, 31.8507, 73.3441** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.7504, 58.0816, 23.7965**, and the grayscale version is **31.2279, 32.8542, 35.7782**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **24.0520, 13.2867, 37.8561** is the 20% darker color. If you saturate the color by 10%, you get **47.5294, 27.7344, 72.3913**, and if you desaturate by 10%, it is **52.3397, 37.1903, 74.5023**.

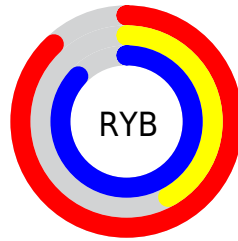
# Distribution



Red (88%)

Green (42%)

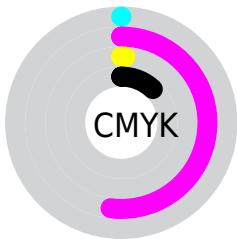
Blue (87%)



Red (88%)

Yellow (42%)

Blue (87%)

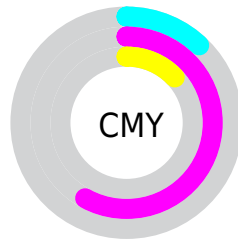


Cyan (0%)

Magenta (52%)

Yellow (1%)

Black (12%)



Cyan (12%)

Magenta (58%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6283, 31.8507, 73.3441 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 49.6283, 31.8507, 73.3441 by changing the saturation by 10% instead.





 49.6283, 31.8507,  
73.3441


 49.6283, 31.8507,  
73.3441


375.6866,  
310.4386, 491.3093


 35.3347, 21.2475,  
53.7638

 88.8190, 62.5770,  
125.6910

 24.0886, 13.3050,  
38.0210


 114.4469, 83.4688,  
159.2948

 15.5244, 7.6389,  
25.6970


 144.5836,  
108.5590, 198.4101

 9.2770, 3.8648,  
16.3734

 179.5944,  
138.2319, 243.4555

 4.9808, 1.5982,  
9.6316

219.8448,  
172.8719, 294.8496

 2.2707, 0.3564,  
5.0530

265.7001,

 0.7796, 0.0000,

212.8634, 353.0109

2.2191

317.5256,  
258.5908, 418.3580

■ 0.0000, 0.0000,  
0.6854

■ 0.0000, 0.0000,  
0.0000

■ 49.6283, 31.8507,  
73.3441

■ 49.6283, 31.8507,  
73.3441

■ 47.5294, 27.7344,  
72.3913

■ 52.3397, 37.1903,  
74.5023

■ 45.9914, 24.7403,  
71.6256

■ 55.7035, 43.8353,  
75.8782

■ 44.9595, 22.7584,  
71.0293

■ 59.7600, 51.8656,  
77.4856

■ 44.3668, 21.6546,  
70.5799

■ 64.5456, 61.3536,  
79.3366

44.1277, 21.2381,  
70.3103

70.0937, 72.3668,  
81.4423

76.4360, 84.9681,  
83.8134

80.4941, 93.0007,  
85.4236

80.5464, 93.0216,  
85.6991

80.5989, 93.0426,  
85.9753

# Harmonies

## Analogous

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



40.1181, 31.8507, 110.0494



49.6283, 31.8507, 73.3441



53.8758, 31.8507, 36.9875

# Triad

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



49.6283, 31.8507, 73.3441



31.0685, 31.8507, 3.6098



16.2198, 31.8507, 67.0868

# Complementary

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



49.6283, 31.8507, 73.3441



35.7504, 58.0816, 23.7965

# 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.



14.8218, 31.8507, 32.4705



49.6283, 31.8507, 73.3441



22.1869, 31.8507, 5.1777

# Square

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



49.6283, 31.8507, 73.3441



41.7885, 31.8507, 5.8395



16.7455, 31.8507, 12.7512



21.0952, 31.8507, 105.2448



# Rectangle

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



49.6283, 31.8507, 73.3441



52.5785, 31.8507, 20.5008



16.7455, 31.8507, 12.7512



15.3819, 31.8507, 54.2353

# Sweetspot

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



49.6294, 31.8521, 73.3448



83.2760, 76.6300, 104.4268



25.1524, 19.2024, 73.6159



17.5413, 15.8404, 22.2422



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.



49.6294, 31.8521, 73.3448



62.8884, 36.3736, 96.0312



43.0142, 29.2061, 38.5097



14.2845, 13.9314, 17.2682



25.4328, 12.2401, 40.5403



1.7661, 0.8497, 2.8272



# Inverse Universe

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



49.6294, 31.8521, 73.3448



62.8884, 36.3736, 96.0312



40.0548, 59.8033, 46.4633



14.2845, 13.9314, 17.2682



25.4328, 12.2401, 40.5403

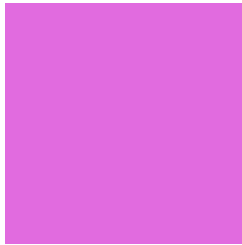


1.7661, 0.8497, 2.8272



# Previews

## White Background



This preview shows how the XYZ color 49.6283, 31.8507, 73.3441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

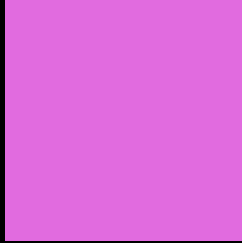
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6283, 31.8507, 73.3441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

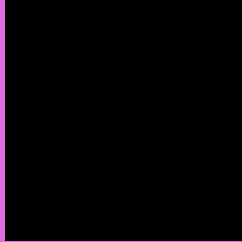
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6283, 31.8507, 73.3441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6283, 31.8507, 73.3441.



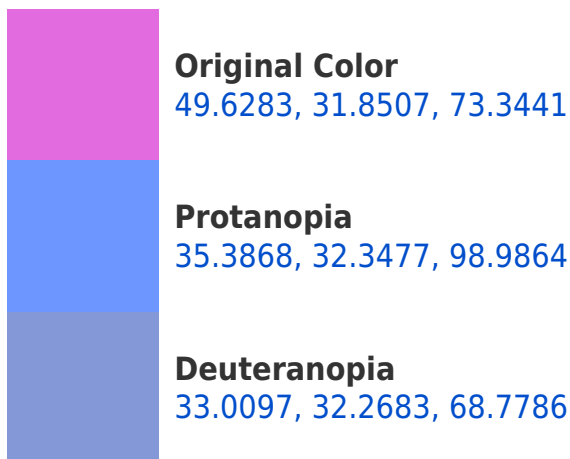
This preview shows how white text looks on a background with the XYZ color 49.6283, 31.8507,



# 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





## Tritanopia

40.3309, 31.7204, 28.0417

# Trichromacy



## Original Color

49.6283, 31.8507, 73.3441



## Protanomaly

37.6517, 30.1967, 88.6381



## Deuteranomaly

37.1849, 30.7773, 70.3104



## Tritanomaly

43.0913, 31.3576, 41.3176

# Monochromacy



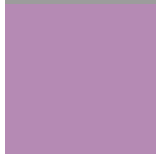
## Original Color

49.6283, 31.8507, 73.3441



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

36.3828, 31.2960, 47.3032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6283, 31.8507, 73.3441 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, 107, 223)` looks like.

```
.text, #text, p{  
    color:rgb(225, 107, 223)  
}
```

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, 107, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 107, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6283, 31.8507, 73.3441 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, 107, 223) }
```



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

```
.border{ border-color:rgb(225, 107, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 107, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 107, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 107, 223);  
box-shadow:4px 4px 4px 4px rgb(225, 107,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6283, 31.8507, 73.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 107, 223) }
```

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

```
.background{ background-color: rgb(225,  
107, 223) }
```

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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