

# Converting Colors

XYZ(48.6604, 29.2542, 75.0741)

Have a look what the booklet for  
XYZ(48.6604, 29.2542, 75.0741)  
contains.

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# Color

**XYZ(48.6932, 29.3272,  
75.0458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E15DE2
RGB	225, 93, 226
RGB Percent	88%, 36%, 89%
CMY	0.1176, 0.6353, 0.1137
CMYK	0.00, 0.59, 0.00, 0.11
HSL	300°, 70%, 63%
HSV	300°, 59%, 89%
XYZ	48.6932, 29.3272, 75.0458
YIQ	147.6300, 35.9790, 69.3470

# Conversions

## Conversions Part 2

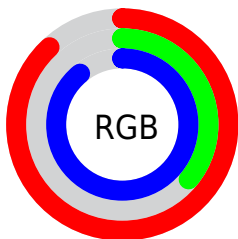
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	225, 93, 226
Decimal	14769634
CIE <sub>Lab</sub>	61.07, 67.88, -43.79
CIE <sub>LCh</sub>	61, 80.781, 327.177
Yxy	29.3272, 0.3181, 0.1916
Android (android.graphics.Color)	4292959714 (0xFFE15DE2)
YUV	147.6300, 38.6364, 67.8535
Hunter-Lab	54.1546, 65.7281, -44.2541

# Details

The XYZ color **48.6932, 29.3272, 75.0458** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **33.7891, 57.5633, 19.6872**, and the grayscale version is **27.8296, 29.2789, 31.8847**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **23.3968, 11.8398, 39.0824** is the 20% darker color. If you saturate the color by 10%, you get **46.9422, 25.9028, 74.4775**, and if you desaturate by 10%, it is **51.0324, 33.9262, 75.8106**.

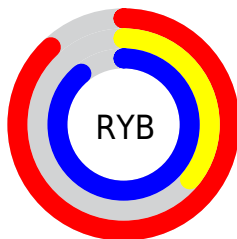
# Distribution



Red (88%)

Green (36%)

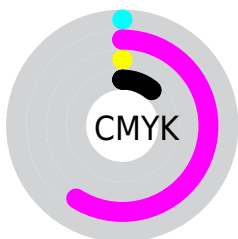
Blue (89%)



Red (88%)

Yellow (36%)

Blue (89%)

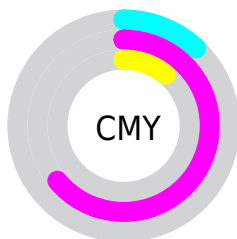


Cyan (0%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (64%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6932, 29.3272, 75.0458 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 48.6932, 29.3272, 75.0458 by changing the saturation by 10% instead.





 48.6932, 29.3272,  
75.0458


 48.6932, 29.3272,  
75.0458

372.0703,  
298.7557, 497.3346


 34.5897, 19.3285,  
55.1485


 87.4391, 58.5965,  
128.1249

 23.5120, 11.9079,  
39.1212


 112.8122, 78.6360,  
162.1437

 15.0948, 6.6810,  
26.5455


 142.6725,  
102.7911, 201.7068

 8.9727, 3.2634,  
17.0027

 177.3855,  
131.4462, 247.2326

 4.7803, 1.2707,  
10.0745

217.3163,  
164.9859, 299.1398

 2.1524, 0.1184,  
5.3421

262.8305,

 0.7175, 0.0000,

203.7944, 357.8468

2.3871

314.2934,  
248.2562, 423.7722

■ 0.0000, 0.0000,  
0.7794

■ 0.0000, 0.0000,  
0.0000

■ 48.6932, 29.3272,  
75.0458

■ 48.6932, 29.3272,  
75.0458

■ 46.9422, 25.9028,  
74.4775

■ 51.0324, 33.9262,  
75.8106

■ 45.7227, 23.5424,  
74.0862


■ 54.0034, 39.7895,  
76.7858


■ 44.9730, 22.1212,  
73.8514


■ 57.6494, 47.0027,  
77.9859


■ 44.5965, 21.4465,  
73.7410


■ 62.0088, 55.6428,  
79.4238


 44.5621, 21.3868,  
73.7313

 67.1174, 65.7810,  
81.1114

 73.0083, 77.4838,  
83.0598

 79.7127, 90.8135,  
85.2794

 80.9645, 93.2380,  
85.6814

 81.0178, 93.2655,  
85.6838

# Harmonies

## Analogous

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



38.2322, 29.3272, 116.8120



48.6932, 29.3272, 75.0458



53.5175, 29.3272, 34.8876

# Triad

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



48.6932, 29.3272, 75.0458



28.8883, 29.3272, 1.9353



13.4156, 29.3272, 66.6015

# Complementary

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



48.6932, 29.3272, 75.0458



33.7891, 57.5633, 19.6872

# 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.



12.0977, 29.3272, 29.1489



48.6932, 29.3272, 75.0458



19.5802, 29.3272, 3.0915

# Square

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



48.6932, 29.3272, 75.0458



40.4141, 29.3272, 3.7367



14.0402, 29.3272, 9.6242



18.2410, 29.3272, 110.1333



# Rectangle

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



48.6932, 29.3272, 75.0458



52.1661, 29.3272, 17.6364



14.0402, 29.3272, 9.6242



12.6106, 29.3272, 52.4040

# Sweetspot

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



48.6943, 29.3285, 75.0464



81.9883, 74.0647, 104.5824



22.3545, 16.0429, 73.8703



17.1636, 15.0888, 22.2578



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.



48.6943, 29.3285, 75.0464



61.2370, 33.1139, 97.7718



41.7757, 26.5972, 36.9838



14.2843, 13.9301, 17.3236



25.4275, 12.2037, 42.0637



1.7658, 0.8476, 2.9158



# Inverse Universe

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



37.2996, 24.8067, 13.4129



44.9661, 26.6631, 9.4888



37.8216, 59.1646, 41.4532



13.7114, 13.7022, 14.2506



17.9004, 9.2272, 0.8755



1.2422, 0.6402, 0.0685



# Previews

## White Background



This preview shows how the XYZ color 48.6932, 29.3272, 75.0458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

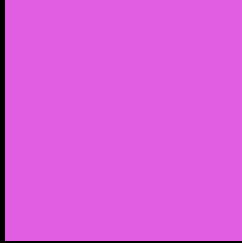
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 48.6932, 29.3272, 75.0458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

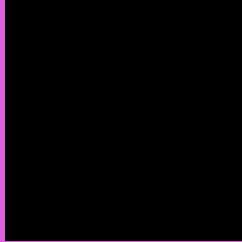
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.6932, 29.3272, 75.0458**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6932, 29.3272, 75.0458.



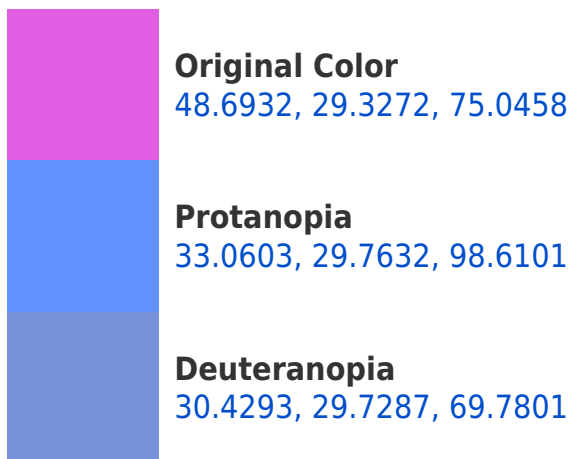
This preview shows how white text looks on a background with the XYZ color 48.6932, 29.3272,

75.0458.

# 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

38.1195, 29.1641, 24.3890

# Trichromacy



## Original Color

48.6932, 29.3272, 75.0458



## Protanomaly

35.1643, 27.1282, 88.9708



## Deuteranomaly

34.4123, 27.5141, 71.2072



## Tritanomaly

40.8920, 28.5839, 38.4840

# Monochromacy



## Original Color

48.6932, 29.3272, 75.0458



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

33.4601, 27.8030, 44.6773

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6932, 29.3272, 75.0458 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, 93, 226)` looks like.

```
.text, #text, p{  
  color:rgb(225, 93, 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, 93, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 93, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6932, 29.3272, 75.0458 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, 93, 226) }
```



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

```
.border{ border-color:rgb(225, 93, 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, 93, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 93, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 93, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 93,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6932, 29.3272, 75.0458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 93, 226) }
```

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

```
.background{ background-color: rgb(225, 93,  
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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