

# Converting Colors

XYZ(46.6835, 25.5887, 71.9818)

Have a look what the booklet for  
XYZ(46.6835, 25.5887, 71.9818)  
contains.

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# Color

**XYZ(46.7504, 25.6307,  
72.2952)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E244DF
RGB	226, 68, 223
RGB Percent	89%, 27%, 87%
CMY	0.1137, 0.7333, 0.1255
CMYK	0.00, 0.70, 0.01, 0.11
HSL	301°, 73%, 58%
HSV	301°, 70%, 89%
XYZ	46.7504, 25.6307, 72.2952
YIQ	132.9120, 44.4130, 81.7010

# Conversions

## Conversions Part 2

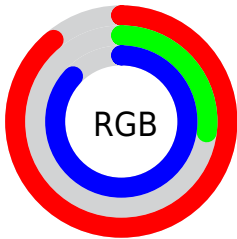
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 68, 223
Decimal	14828767
CIE Lab	57.68, 77.08, -47.44
CIE LCh	58, 90.507, 328.390
Yxy	25.6307, 0.3231, 0.1772
Android (android.graphics.Color)	4293018847 (0xFFE244DF)
YUV	132.9120, 44.4134, 81.6382
Hunter-Lab	50.6268, 76.2358, -49.2276

# Details

The XYZ color **46.7504, 25.6307, 72.2952** 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 **30.7188, 56.0777, 15.1677**, and the grayscale version is **22.0962, 23.2469, 25.3159**.

A 20% lighter version of the original color is **67.1403, 44.1805, 99.5968**, and **22.9114, 11.0055, 37.4759** is the 20% darker color. If you saturate the color by 10%, you get **45.5800, 23.3816, 71.6201**, and if you desaturate by 10%, it is **48.4494, 28.9352, 73.1476**.

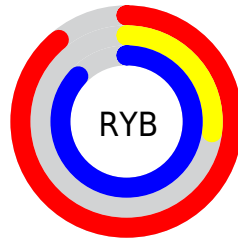
# Distribution



Red (89%)

Green (27%)

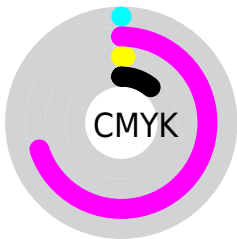
Blue (87%)



Red (89%)

Yellow (27%)

Blue (87%)

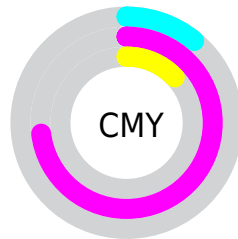


Cyan (0%)

Magenta (70%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (73%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7504, 25.6307, 72.2952 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 46.7504, 25.6307, 72.2952 by changing the saturation by 10% instead.





 46.7504, 25.6307,  
72.2952

 46.7504, 25.6307,  
72.2952


364.4829,  
280.9645, 487.5736


 33.0455, 16.5476,  
52.9115


 84.5619, 52.6786,  
124.1878


 22.3207, 9.9125,  
37.3449


 109.3993, 71.4121,  
157.5337


 14.2107, 5.3409,  
25.1768


 138.6782, 94.1312,  
196.3709

 8.3500, 2.4487,  
15.9886

 172.7639,  
121.2203, 241.1178

 4.3734, 0.8508,  
9.3618

 212.0219,  
153.0638, 292.1930

 1.9155, 0.0000,  
4.8779

256.8175,

 0.5858, 0.0000,

190.0461, 350.0150

2.1183

307.5161,  
232.5515, 415.0023

■ 0.0000, 0.0000,  
0.6266

■ 0.0000, 0.0000,  
0.0000

■ 46.7504, 25.6307,  
72.2952

■ 46.7504, 25.6307,  
72.2952

■ 45.5800, 23.3816,  
71.6201

■ 48.4494, 28.9352,  
73.1476

■ 44.8709, 22.0557,  
71.0992

■ 50.7282, 33.3999,  
74.1939

■ 44.5130, 21.4320,  
70.6962

■ 53.6353, 39.1208,  
75.4503

■ 44.5102, 21.4273,  
70.6927

■ 57.2131, 46.1830,  
76.9310

61.5007, 54.6644,  
78.6490

66.5337, 64.6366,  
80.6162

72.3458, 76.1665,  
82.8439

78.9682, 89.3171,  
85.3424

80.9708, 93.2275,  
86.3016

# Harmonies

## Analogous

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



35.6660, 25.6307, 120.1347



46.7504, 25.6307, 72.2952



51.6725, 25.6307, 29.6167

# Triad

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



46.7504, 25.6307, 72.2952



24.9509, 25.6307, 0.6282



10.2489, 25.6307, 66.9585

# Complementary

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



46.7504, 25.6307, 72.2952



30.7188, 56.0777, 15.1677

# 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.



8.9101, 25.6307, 26.2654



46.7504, 25.6307, 72.2952



15.7399, 25.6307, 1.4514

# Square

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



46.7504, 25.6307, 72.2952



36.9884, 25.6307, 1.6976



10.5809, 25.6307, 6.8659



14.9947, 25.6307, 115.7554



# Rectangle

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



46.7504, 25.6307, 72.2952



49.9497, 25.6307, 13.0026



10.5809, 25.6307, 6.8659



9.4609, 25.6307, 51.2711

# Sweetspot

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



46.7514, 25.6319, 72.2957



80.1184, 70.3981, 103.1171



18.3675, 10.9523, 73.0984



16.7997, 14.3775, 21.9324



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.



46.7514, 25.6319, 72.2957



59.4278, 29.7928, 93.8286



38.4945, 22.3291, 28.8157



14.2832, 13.9309, 17.2615



25.3981, 12.2263, 40.3579



1.7641, 0.8489, 2.8166



# Inverse Universe

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



46.7514, 25.6319, 72.2957



59.4278, 29.7928, 93.8286



35.0570, 57.8130, 38.0128



14.2832, 13.9309, 17.2615



25.3981, 12.2263, 40.3579



1.7641, 0.8489, 2.8166



# Previews

## White Background



This preview shows how the XYZ color 46.7504, 25.6307, 72.2952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

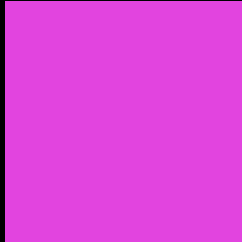
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 46.7504, 25.6307, 72.2952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

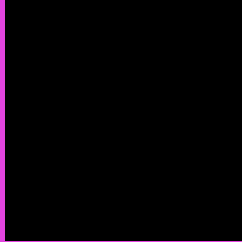
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.7504, 25.6307, 72.2952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7504, 25.6307, 72.2952.



This preview shows how white text looks on a background with the XYZ color 46.7504, 25.6307,



# 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

46.7504, 25.6307, 72.2952

### Protanopia

29.7745, 26.1257, 98.0812

### Deuteranopia

26.5657, 25.8140, 65.8698



## Tritanopia

35.7078, 25.5691, 18.3826

# Trichromacy



## Original Color

46.7504, 25.6307, 72.2952



## Protanomaly

31.2222, 22.6652, 87.5233



## Deuteranomaly

30.5125, 23.0640, 67.8094



## Tritanomaly

38.4081, 24.8267, 32.4735

# Monochromacy



## Original Color

46.7504, 25.6307, 72.2952



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

28.2879, 21.9059, 38.8137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7504, 25.6307, 72.2952 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(226, 68, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 68, 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(226, 68, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 68, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7504, 25.6307, 72.2952 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(226, 68, 223) }
```



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

```
.border{ border-color:rgb(226, 68, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 68, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 68, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 68, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 68,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7504, 25.6307, 72.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 68, 223) }
```

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

```
.background{ background-color: rgb(226, 68,  
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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