

# Converting Colors

XYZ(56.7070, 45.3275, 76.2813)

Have a look what the booklet for  
XYZ(56.7070, 45.3275, 76.2813)  
contains.

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# Color

**XYZ(56.7070, 45.3275,  
76.2813)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E29CE0
RGB	226, 156, 224
RGB Percent	89%, 61%, 88%
CMY	0.1137, 0.3882, 0.1216
CMYK	0.00, 0.31, 0.01, 0.11
HSL	302°, 55%, 75%
HSV	302°, 31%, 89%
XYZ	56.7070, 45.3275, 76.2813
YIQ	184.6820, 19.8920, 35.9880

# Conversions

## Conversions Part 2

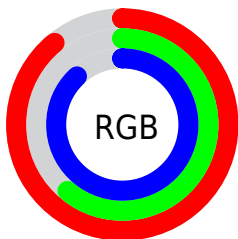
Format	Color
R <sub>Y</sub> B	226, 156, 224
Decimal	14851296
CIE Lab	73.11, 36.84, -24.00
CIE LCh	73, 43.967, 326.921
Yxy	45.3275, 0.3180, 0.2542
Android (android.graphics.Color)	4293041376 (0xFFE29CE0)
YUV	184.6820, 19.3838, 36.2359
Hunter-Lab	67.3257, 32.5268, -20.0487

# Details

The XYZ color **56.7070, 45.3275, 76.2813** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.0800, 63.9307, 42.2087**, and the grayscale version is **45.8268, 48.2134, 52.5044**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **28.5892, 21.1111, 40.1042** is the 20% darker color. If you saturate the color by 10%, you get **53.1747, 38.4020, 74.6730**, and if you desaturate by 10%, it is **60.9480, 53.6681, 78.1285**.

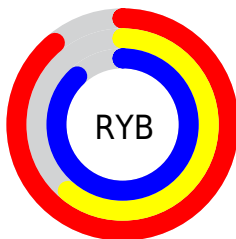
# Distribution



Red (89%)

Green (61%)

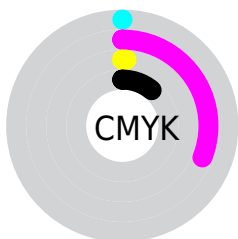
Blue (88%)



Red (89%)

Yellow (61%)

Blue (88%)

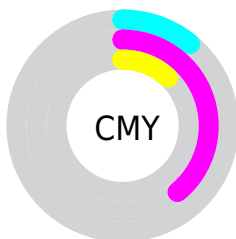


Cyan (0%)

Magenta (31%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (39%)

Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7070, 45.3275, 76.2813 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 56.7070, 45.3275, 76.2813 by changing the saturation by 10% instead.





 56.7070, 45.3275,  
76.2813


 56.7070, 45.3275,  
76.2813


402.3824,  
368.0983, 501.6825

 41.0093, 31.7155,  
56.1552

 99.1714, 83.2116,  
129.8882

 28.5140, 21.1443,  
39.9225


 126.6687,  
108.2525, 164.2060

 18.8559, 13.2295,  
27.1648


158.8300,  
137.8718, 204.0915

 11.6696, 7.5868,  
17.4635

196.0205,  
172.4540, 249.9632

 6.5897, 3.8317,  
10.4001

238.6057,  
212.3833, 302.2396

 3.2509, 1.5799,  
5.5560

286.9508,

 1.2878, 0.3440,

258.0442, 361.3392

2.5126

341.4213,  
309.8211, 427.6807

■ 0.1741, 0.0000,  
0.8468

■ 0.0000, 0.0000,  
0.0000

■ 56.7070, 45.3275,  
76.2813

■ 56.7070, 45.3275,  
76.2813

■ 53.1747, 38.4020,  
74.6730

■ 60.9480, 53.6681,  
78.1285

■ 50.3077, 32.8073,  
73.2876

■ 65.9296, 63.4903,  
80.2237

■ 48.0643, 28.4594,  
72.1117

■ 71.6869, 74.8634,  
82.5791

■ 46.3965, 25.2621,  
71.1293

■ 78.2516, 87.8507,  
85.2052

45.2492, 23.1053,  
70.3220

81.0214, 93.2477,  
86.5681

44.5567, 21.8576,  
69.6680

81.1108, 93.2835,  
87.0392

44.2222, 21.3121,  
69.1758

81.2006, 93.3194,  
87.5120

81.2907, 93.3555,  
87.9866

81.3812, 93.3917,  
88.4630

# Harmonies

## Analogous

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



50.1345, 45.3275, 97.5957



56.7070, 45.3275, 76.2813



59.6097, 45.3275, 51.6650

# Triad

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



56.7070, 45.3275, 76.2813



43.8820, 45.3275, 17.9818



31.1910, 45.3275, 71.1321

# Complementary

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



56.7070, 45.3275, 76.2813



47.0800, 63.9307, 42.2087

# 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.



29.9328, 45.3275, 47.1129



56.7070, 45.3275, 76.2813



36.7248, 45.3275, 20.3935

# Square

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



56.7070, 45.3275, 76.2813



51.6727, 45.3275, 21.6823



31.8362, 45.3275, 29.6513



35.5012, 45.3275, 94.0539



# Rectangle

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



56.7070, 45.3275, 76.2813



58.8441, 45.3275, 38.0198



31.8362, 45.3275, 29.6513



30.4212, 45.3275, 62.7426

# Sweetspot

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



56.7084, 45.3295, 76.2823



88.0553, 86.1792, 106.0484



39.5551, 36.4551, 76.9042



18.6226, 18.0019, 22.6058



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.



56.7084, 45.3295, 76.2823



71.5426, 53.6751, 98.9376



52.5302, 43.6582, 54.2799



14.2772, 13.9285, 17.2300



25.2364, 12.1616, 39.5063



1.7547, 0.8451, 2.7669



# Inverse Universe

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



56.7084, 45.3295, 76.2823



71.5426, 53.6751, 98.9376



50.4413, 65.2751, 59.9087



14.2772, 13.9285, 17.2300



25.2364, 12.1616, 39.5063



1.7547, 0.8451, 2.7669



# Previews

## White Background



This preview shows how the XYZ color 56.7070, 45.3275, 76.2813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

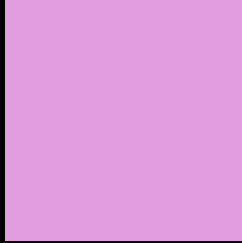
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7070, 45.3275, 76.2813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

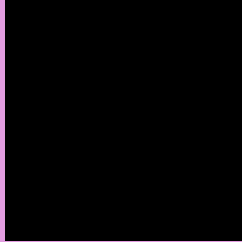
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.7070, 45.3275, 76.2813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7070, 45.3275, 76.2813.



This preview shows how white text looks on a background with the XYZ color 56.7070, 45.3275,



# 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

56.7070, 45.3275, 76.2813

### Protanopia

46.7528, 45.9186, 88.8371

### Deuteranopia

46.5751, 45.5651, 74.0503



## Tritanopia

51.0062, 45.3403, 48.1827

# Trichromacy



## Original Color

56.7070, 45.3275, 76.2813



## Protanomaly

49.4757, 45.1291, 83.9450



## Deuteranomaly

49.7448, 45.1985, 74.5090



## Tritanomaly

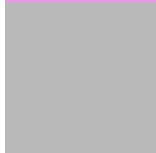
52.8949, 45.3104, 57.5877

# Monochromacy



## Original Color

56.7070, 45.3275, 76.2813



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

49.2643, 46.6750, 60.4455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7070, 45.3275, 76.2813 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, 156, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 156, 224)  
}
```

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, 156, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 156, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7070, 45.3275, 76.2813 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, 156, 224) }
```



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

```
.border{ border-color:rgb(226, 156, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 156, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 156, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 156, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 156,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7070, 45.3275, 76.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 156, 224) }
```

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

```
.background{ background-color: rgb(226,  
156, 224) }
```

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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