

Converting Colors

XYZ(52.4670, 35.8134, 70.6912)

Have a look what the booklet for
XYZ(52.4670, 35.8134, 70.6912)
contains.

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Color

**XYZ(52.4473, 35.7256,
70.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	E779DA
RGB	231, 121, 218
RGB Percent	91%, 47%, 85%
CMY	0.0941, 0.5255, 0.1451
CMYK	0.00, 0.48, 0.06, 0.09
HSL	307°, 70%, 69%
HSV	307°, 48%, 91%
XYZ	52.4473, 35.7256, 70.4611
YIQ	164.9480, 34.4230, 53.4870

Conversions

Conversions Part 2

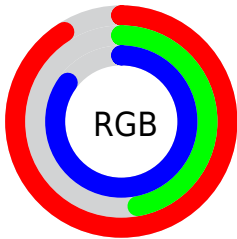
Format	Color
RYB	231, 121, 218
Decimal	15170010
CIELab	66.31, 55.32, -31.08
CIELCh	66, 63.456, 330.675
Yxy	35.7256, 0.3306, 0.2252
Android (android.graphics.Color)	4293360090 (0xFFE779DA)
YUV	164.9480, 26.1546, 57.9276
Hunter-Lab	59.7709, 52.0297, -28.0546

Details

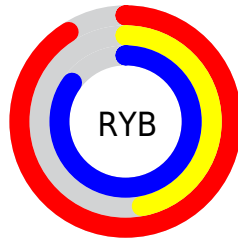
The XYZ color **52.4473, 35.7256, 70.4611** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.7658, 62.9394, 32.5565**, and the grayscale version is **35.6075, 37.4619, 40.7960**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **25.8516, 15.5429, 36.2879** is the 20% darker color. If you saturate the color by 10%, you get **49.6148, 30.6270, 67.7689**, and if you desaturate by 10%, it is **55.9601, 42.1738, 73.4098**.

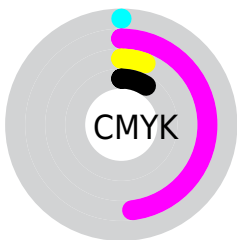
Distribution



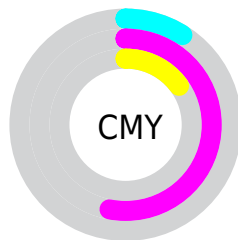
- Red (91%)
- Green (47%)
- Blue (85%)



- Red (91%)
- Yellow (47%)
- Blue (85%)



- Cyan (0%)
- Magenta (48%)
- Yellow (6%)
- Black (9%)




- Cyan (9%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4473, 35.7256, 70.4611 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 52.4473, 35.7256, 70.4611 by changing the saturation by 10% instead.


 52.4473, 35.7256,
70.4611

 52.4473, 35.7256,
70.4611

386.4567,
327.7596, 481.0002


 37.5874, 24.2223,
51.4234


 92.9609, 68.6083,
121.5534

 25.8384, 15.4986,
36.1666


 119.3454, 90.7566,
154.4450

 16.8348, 9.1701,
24.2722


 150.3021,
117.2220, 192.7917

 10.2114, 4.8523,
15.3216

186.1964,
148.3889, 237.0120

 5.6027, 2.1609,
8.8963

227.3936,
184.6417, 287.5245

 2.6434, 0.6985,
4.5777

274.2592,

 0.9681, 0.0000,

226.3648, 344.7476

1.9473

327.1584,
273.9427, 409.1000

■ 0.0000, 0.0000,
0.5226

■ 0.0000, 0.0000,
0.0000

■ 52.4473, 35.7256,
70.4611

■ 52.4473, 35.7256,
70.4611

■ 49.6148, 30.6270,
67.7689

■ 55.9601, 42.1738,
73.4098

■ 47.4103, 26.7757,
65.3146


■ 60.1935, 50.0547,
76.6275


■ 45.7795, 24.0626,
63.0803


■ 65.1890, 59.4502,
80.1286


■ 44.6574, 22.3575,
61.0442


■ 70.9839, 70.4350,
83.9256


 43.9563, 21.4851,
59.1769


 77.6130, 83.0784,
88.0302

 43.8184, 21.3344,
58.7459

 83.6218, 94.4717,
91.9578

 84.0180, 94.6302,
94.0443

 84.4203, 94.7911,
96.1629

 84.8287, 94.9545,
98.3136

Harmonies

Analogous

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



44.1253, 35.7256, 103.2515



52.4473, 35.7256, 70.4611



55.6276, 35.7256, 38.2878

Triad

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



52.4473, 35.7256, 70.4611



33.7420, 35.7256, 6.5741



20.5725, 35.7256, 72.0545

Complementary

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



52.4473, 35.7256, 70.4611



40.7658, 62.9394, 32.5565

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.



18.8014, 35.7256, 39.5168



52.4473, 35.7256, 70.4611



25.4832, 35.7256, 9.0667

Square

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



52.4473, 35.7256, 70.4611



43.6843, 35.7256, 8.8359



20.4192, 35.7256, 18.5308



25.7914, 35.7256, 104.4340

Rectangle

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



52.4473, 35.7256, 70.4611



54.0146, 35.7256, 23.2314



20.4192, 35.7256, 18.5308



19.6029, 35.7256, 60.3838

Sweetspot

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



52.4485, 35.7272, 70.4618



84.0279, 79.0309, 101.9112



31.0678, 24.5007, 78.6941



17.6608, 16.3016, 21.5970



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.



52.4485, 35.7272, 70.4618



62.1845, 38.4990, 84.9044



46.4197, 33.3157, 38.7145



14.9179, 14.5843, 17.7681



24.5953, 11.9723, 33.0933



1.8384, 0.8931, 2.5553

Inverse Universe

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



52.4485, 35.7272, 70.4618



62.1845, 38.4990, 84.9044



45.6298, 64.8850, 58.1701



14.9179, 14.5843, 17.7681



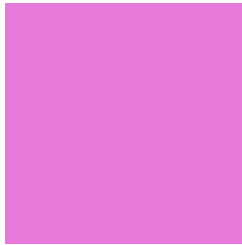
24.5953, 11.9723, 33.0933



1.8384, 0.8931, 2.5553

Previews

White Background



This preview shows how the XYZ color 52.4473, 35.7256, 70.4611 looks on a white background.

Color Contrast Check

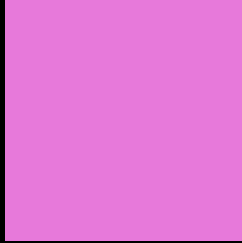
Large Text (above 18pt) WCAG AA × Fail

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 52.4473, 35.7256, 70.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

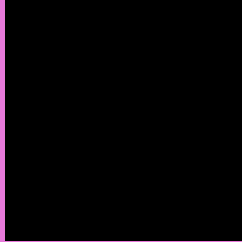
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4473, 35.7256, 70.4611

Background



This preview shows how black text looks on a background with the XYZ color 52.4473, 35.7256, 70.4611.



This preview shows how white text looks on a background with the XYZ color 52.4473, 35.7256,

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

52.4473, 35.7256, 70.4611

Protanopia

38.5473, 36.3194, 93.7856

Deuteranopia

36.7337, 35.9835, 66.6374



Tritanopia

44.6435, 35.6859, 32.1389

Trichromacy



Original Color

52.4473, 35.7256, 70.4611



Protanomaly

41.3478, 34.5807, 84.6162



Deuteranomaly

40.8534, 34.6895, 68.1609



Tritanomaly

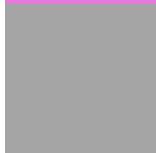
47.0232, 35.4185, 43.8932

Monochromacy



Original Color

52.4473, 35.7256, 70.4611



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

40.3854, 35.7744, 50.1240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4473, 35.7256, 70.4611 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(231, 121, 218)` looks like.

```
.text, #text, p{  
    color:rgb(231, 121, 218)  
}
```

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(231, 121, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 121, 218) }
```

Border

The CSS property to change the border of an element to XYZ 52.4473, 35.7256, 70.4611 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(231, 121, 218) }
```


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

```
.border{ border-color:rgb(231, 121, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 121, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 121, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 121, 218);  
box-shadow:4px 4px 4px 4px rgb(231, 121,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4473, 35.7256, 70.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 121, 218) }
```

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

```
.background{ background-color: rgb(231,  
121, 218) }
```

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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