

Converting Colors

XYZ(58.5833, 46.1678, 77.5368)

Have a look what the booklet for
XYZ(58.5833, 46.1678, 77.5368)
contains.

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Color

**XYZ(58.5709, 46.2568,
77.7929)**

Conversions

Conversions Part 1

Format	Color
Hex	E79CE2
RGB	231, 156, 226
RGB Percent	91%, 61%, 89%
CMY	0.0941, 0.3882, 0.1137
CMYK	0.00, 0.32, 0.02, 0.09
HSL	304°, 61%, 76%
HSV	304°, 32%, 91%
XYZ	58.5709, 46.2568, 77.7929
YIQ	186.4050, 22.2300, 37.6700

Conversions

Conversions Part 2

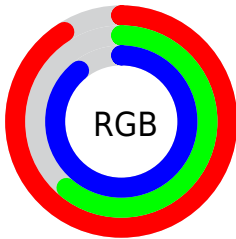
Format	Color
R_{YB}	231, 156, 226
Decimal	15178978
CIE _{Lab}	73.71, 38.80, -24.12
CIE _{LCh}	74, 45.683, 328.130
Yxy	46.2568, 0.3207, 0.2533
Android (android.graphics.Color)	4293369058 (0xFFE79CE2)
YUV	186.4050, 19.5203, 39.1098
Hunter-Lab	68.0124, 34.6991, -20.2076

Details

The XYZ color **58.5709, 46.2568, 77.7929** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.7211, 66.7945, 44.0456**, and the grayscale version is **46.7856, 49.2221, 53.6029**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **29.6565, 21.6394, 41.1418** is the 20% darker color. If you saturate the color by 10%, you get **54.8471, 39.1451, 75.5140**, and if you desaturate by 10%, it is **63.0366, 54.8476, 80.3295**.

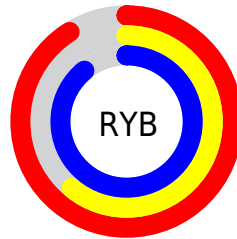
Distribution



Red (91%)

Green (61%)

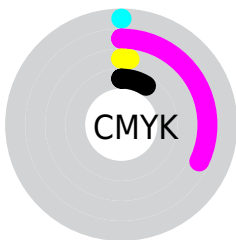
Blue (89%)



Red (91%)

Yellow (61%)

Blue (89%)

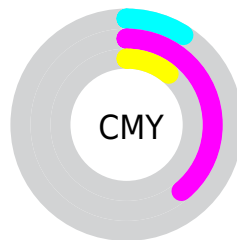


Cyan (0%)

Magenta (32%)

Yellow (2%)

Black (9%)



Cyan (9%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5709, 46.2568, 77.7929 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 58.5709, 46.2568, 77.7929 by changing the saturation by 10% instead.


 58.5709, 46.2568,
77.7929


 58.5709, 46.2568,
77.7929


409.2295,
371.8401, 506.9725

 42.5128, 32.4485,
57.3884

 101.8720, 84.6032,
132.0413

 29.6959, 21.7043,
40.9057


 129.8456,
109.9101, 166.7224

 19.7548, 13.6398,
27.9263

162.5219,
139.8186, 206.9994

 12.3242, 7.8706,
18.0315

200.2661,
174.7132, 253.2909

 7.0386, 4.0122,
10.8030

243.4437,
214.9783, 306.0154

 3.5328, 1.6804,
5.8220

292.4198,

 1.4414, 0.4109,

260.9982, 365.5915

2.6701

347.5600,
313.1573, 432.4377

■ 0.2854, 0.0000,
0.9283

■ 0.0000, 0.0000,
0.0000

■ 58.5709, 46.2568,
77.7929

■ 58.5709, 46.2568,
77.7929

■ 54.8471, 39.1451,
75.5140

■ 63.0366, 54.8476,
80.3295

■ 51.8189, 33.4224,
73.4758

■ 68.2784, 64.9884,
83.1337

■ 49.4416, 28.9986,
71.6639

■ 74.3337, 76.7531,
86.2184

■ 47.6637, 25.7703,
70.0610

■ 81.2362, 90.2091,
89.5950

46.4255, 23.6186,
68.6474

83.5240, 94.4326,
91.4428

45.6553, 22.3999,
67.3990

83.7459, 94.5213,
92.6115

45.2983, 21.9263,
66.5389

83.9698, 94.6109,
93.7904

84.1956, 94.7012,
94.9794

84.4233, 94.7923,
96.1787

Harmonies

Analogous

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



51.7292, 46.2568, 100.8605



58.5709, 46.2568, 77.7929



61.4508, 46.2568, 51.8357

Triad

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



58.5709, 46.2568, 77.7929



44.4760, 46.2568, 17.6342



31.6061, 46.2568, 74.4719

Complementary

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



58.5709, 46.2568, 77.7929



48.7211, 66.7945, 44.0456

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.



30.1584, 46.2568, 48.9239



58.5709, 46.2568, 77.7929



37.0207, 46.2568, 20.3715

Square

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



58.5709, 46.2568, 77.7929



52.7167, 46.2568, 21.1782



32.0158, 46.2568, 30.2871



36.2411, 46.2568, 98.5651

Rectangle

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



58.5709, 46.2568, 77.7929



60.4990, 46.2568, 37.7162



32.0158, 46.2568, 30.2871



30.7576, 46.2568, 65.5679

Sweetspot

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



58.5724, 46.2588, 77.7939



87.1753, 84.6867, 104.9306



41.0123, 37.1258, 80.6068



18.4403, 17.7018, 22.3463



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.



58.5724, 46.2588, 77.7939



70.0537, 51.6864, 95.3916



53.9763, 44.4204, 53.5912



14.9514, 14.5978, 17.9447



25.4130, 12.2994, 37.3993



1.8905, 0.9139, 2.8299

Inverse Universe

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



58.5724, 46.2588, 77.7939



70.0537, 51.6864, 95.3916



52.5388, 68.3215, 64.1491



14.9514, 14.5978, 17.9447



25.4130, 12.2994, 37.3993



1.8905, 0.9139, 2.8299

Previews

White Background



This preview shows how the XYZ color 58.5709, 46.2568, 77.7929 looks on a white background.

Color Contrast Check

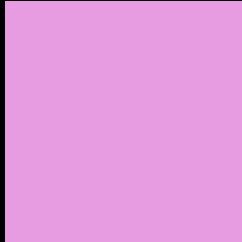
Large Text (above 18pt) WCAG AA × Fail

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 58.5709, 46.2568, 77.7929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

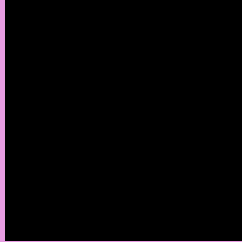
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5709, 46.2568, 77.7929

Background



This preview shows how black text looks on a background with the XYZ color 58.5709, 46.2568, 77.7929.



This preview shows how white text looks on a background with the XYZ color 58.5709, 46.2568,

77.7929.

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

58.5709, 46.2568, 77.7929

Protanopia

47.6076, 46.6038, 91.2803

Deuteranopia

47.6956, 46.6984, 75.6071



Tritanopia

52.5424, 46.1322, 48.2546

Trichromacy



Original Color

58.5709, 46.2568, 77.7929



Protanomaly

50.5880, 45.9316, 86.3202



Deuteranomaly

50.9827, 46.0829, 76.0199



Tritanomaly

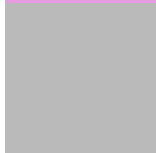
54.4492, 46.1117, 57.6604

Monochromacy



Original Color

58.5709, 46.2568, 77.7929



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

50.2297, 47.4335, 61.7665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5709, 46.2568, 77.7929 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, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 156, 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(231, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 156, 226) }
```

Border

The CSS property to change the border of an element to XYZ 58.5709, 46.2568, 77.7929 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, 156, 226) }
```


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

```
.border{ border-color:rgb(231, 156, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 156, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 156, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 156,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5709, 46.2568, 77.7929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 156, 226) }
```

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

```
.background{ background-color: rgb(231,  
156, 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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