

Converting Colors

XYZ(58.3962, 45.5339, 76.5823)

Have a look what the booklet for
XYZ(58.3962, 45.5339, 76.5823)
contains.

XYZ(58.1245, 45.3201, 76.2052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.1245, 45.3201,
76.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	E899E0
RGB	232, 153, 224
RGB Percent	91%, 60%, 88%
CMY	0.0902, 0.4000, 0.1216
CMYK	0.00, 0.34, 0.03, 0.09
HSL	306°, 63%, 75%
HSV	306°, 34%, 91%
XYZ	58.1245, 45.3201, 76.2052
YIQ	184.7150, 24.2930, 38.8290

Conversions

Conversions Part 2

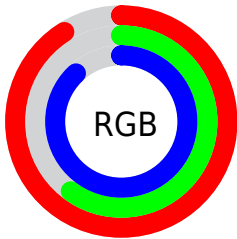
Format	Color
R _Y B	232, 153, 224
Decimal	15243744
CIE Lab	73.10, 40.34, -23.95
CIE LCh	73, 46.912, 329.306
Yxy	45.3201, 0.3235, 0.2523
Android (android.graphics.Color)	4293433824 (0xFFE899E0)
YUV	184.7150, 19.3675, 41.4689
Hunter-Lab	67.3202, 36.3072, -19.9910

Details

The XYZ color **58.1245, 45.3201, 76.2052** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.4284, 67.0602, 44.1123**, and the grayscale version is **45.8435, 48.2310, 52.5235**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **29.3978, 21.0929, 40.0580** is the 20% darker color. If you saturate the color by 10%, you get **54.3740, 38.3248, 73.3941**, and if you desaturate by 10%, it is **62.6204, 53.7976, 79.2875**.

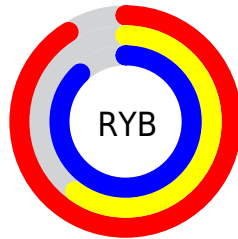
Distribution



Red (91%)

Green (60%)

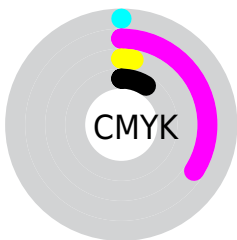
Blue (88%)



Red (91%)

Yellow (60%)

Blue (88%)

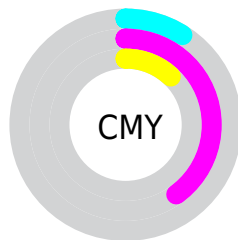


Cyan (0%)

Magenta (34%)

Yellow (3%)

Black (9%)



Cyan (9%)


Magenta (40%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1245, 45.3201, 76.2052 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 58.1245, 45.3201, 76.2052 by changing the saturation by 10% instead.


 58.1245, 45.3201,
76.2052

 58.1245, 45.3201,
76.2052

407.5961,
368.0684, 501.4154

 42.1524, 31.7096,
56.0931


 101.2261, 83.2005,
129.7797

 29.4123, 21.1398,
39.8731


 129.0862,
108.2393, 164.0791

 19.5388, 13.2262,
27.1266


161.6398,
137.8563, 203.9448

 12.1665, 7.5845,
17.4350

199.2521,
172.4359, 249.7953

 6.9302, 3.8303,
10.3799

242.2886,
212.3625, 302.0490

 3.4644, 1.5791,
5.5427

291.1145,

 1.4039, 0.3434,

258.0206, 361.1246

2.5048

346.0952,
309.7944, 427.4405

■ 0.2590, 0.0000,
0.8427

■ 0.0000, 0.0000,
0.0000

■ 58.1245, 45.3201,
76.2052

■ 58.1245, 45.3201,
76.2052

■ 54.3740, 38.3248,
73.3941

■ 62.6204, 53.7976,
79.2875

■ 51.3217, 32.7196,
70.8368

■ 67.8970, 63.8302,
82.6513

■ 48.9216, 28.4120,
68.5186

■ 73.9925, 75.4933,
86.3100

■ 47.1205, 25.2951,
66.4214

■ 80.9410, 88.8556,
90.2751

45.8565, 23.2457,
64.5247

84.1430, 94.7176,
93.0134

45.0544, 22.1132,
62.8032

84.4863, 94.8549,
94.8209

44.7266, 21.7350,
61.8388

84.8340, 94.9940,
96.6521

85.1863, 95.1349,
98.5072

85.5431, 95.2776,
100.3861

Harmonies

Analogous

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



51.2729, 45.3201, 100.1956



58.1245, 45.3201, 76.2052



60.8653, 45.3201, 49.8952

Triad

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



58.1245, 45.3201, 76.2052



43.2668, 45.3201, 16.5406



30.7249, 45.3201, 74.9458

Complementary

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



58.1245, 45.3201, 76.2052



48.4284, 67.0602, 44.1123

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.



29.1411, 45.3201, 48.8006



58.1245, 45.3201, 76.2052



35.8018, 45.3201, 19.4907

Square

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



58.1245, 45.3201, 76.2052



51.6455, 45.3201, 19.7868



30.8777, 45.3201, 29.6804



35.5100, 45.3201, 99.3206

Rectangle

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



58.1245, 45.3201, 76.2052



59.7558, 45.3201, 35.8580



30.8777, 45.3201, 29.6804



29.8296, 45.3201, 65.8518

Sweetspot

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



58.1259, 45.3221, 76.2062



87.0348, 84.6305, 104.1908



40.6366, 36.1777, 81.1861



18.4060, 17.6881, 22.1660



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.



58.1259, 45.3221, 76.2062



68.6100, 49.7733, 91.9070



53.3864, 43.4263, 51.2483



14.9289, 14.5887, 17.8259



24.8572, 12.0771, 34.4727



1.8551, 0.8998, 2.6436

Inverse Universe

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



58.1259, 45.3221, 76.2062



68.6100, 49.7733, 91.9070



52.4674, 68.6758, 65.3813



14.9289, 14.5887, 17.8259



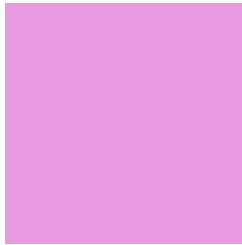
24.8572, 12.0771, 34.4727



1.8551, 0.8998, 2.6436

Previews

White Background



This preview shows how the XYZ color 58.1245, 45.3201, 76.2052 looks on a white background.

Color Contrast Check

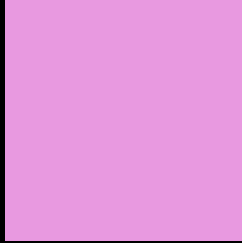
Large Text (above 18pt) WCAG AA × Fail

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 58.1245, 45.3201, 76.2052 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 58.1245, 45.3201, 76.2052

Background



This preview shows how black text looks on a background with the XYZ color 58.1245, 45.3201, 76.2052.



This preview shows how white text looks on a background with the XYZ color 58.1245, 45.3201,

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

58.1245, 45.3201, 76.2052

Protanopia

46.8477, 45.9330, 90.4012

Deuteranopia

46.5751, 45.5651, 74.0503



Tritanopia

52.1991, 45.4583, 46.5806

Trichromacy



Original Color

58.1245, 45.3201, 76.2052



Protanomaly

49.6769, 44.9389, 84.6531



Deuteranomaly

50.0797, 45.0960, 74.4715



Tritanomaly

54.0187, 45.1405, 56.3180

Monochromacy



Original Color

58.1245, 45.3201, 76.2052



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.6095, 46.5672, 60.4065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1245, 45.3201, 76.2052 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(232, 153, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 153, 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(232, 153, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 153, 224) }
```

Border

The CSS property to change the border of an element to XYZ 58.1245, 45.3201, 76.2052 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(232, 153, 224) }
```


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

```
.border{ border-color:rgb(232, 153, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 153, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 153, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 153, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 153,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1245, 45.3201, 76.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 153, 224) }
```

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

```
.background{ background-color: rgb(232,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor