

Converting Colors

XYZ(58.4250, 47.0741, 80.0084)

Have a look what the booklet for
XYZ(58.4250, 47.0741, 80.0084)
contains.

XYZ(58.3922, 47.1296, 80.1481)	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(58.3922, 47.1296,
80.1481)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A0E5
RGB	227, 160, 229
RGB Percent	89%, 63%, 90%
CMY	0.1098, 0.3725, 0.1020
CMYK	0.01, 0.30, 0.00, 0.10
HSL	298°, 57%, 76%
HSV	298°, 30%, 90%
XYZ	58.3922, 47.1296, 80.1481
YIQ	187.8990, 17.7830, 35.6630

Conversions

Conversions Part 2

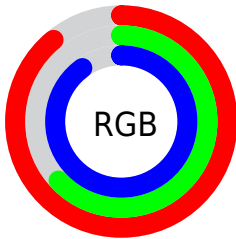
Format	Color
R _Y B	227, 160, 229
Decimal	14917861
CIE Lab	74.27, 35.95, -24.94
CIE LCh	74, 43.750, 325.247
Yxy	47.1296, 0.3145, 0.2538
Android (android.graphics.Color)	4293107941 (0xFFE3A0E5)
YUV	187.8990, 20.2628, 34.2916
Hunter-Lab	68.6510, 31.6868, -21.1637

Details

The XYZ color **58.3922, 47.1296, 80.1481** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.2664, 66.2593, 43.4527**, and the grayscale version is **47.6255, 50.1057, 54.5651**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **29.5951, 22.1904, 42.2585** is the 20% darker color. If you saturate the color by 10%, you get **54.5737, 39.8018, 78.9356**, and if you desaturate by 10%, it is **62.9457, 55.9243, 81.6063**.

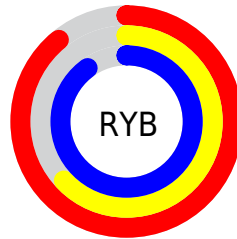
Distribution



Red (89%)

Green (63%)

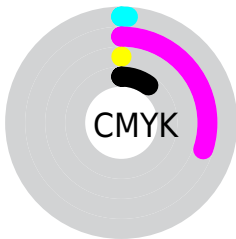
Blue (90%)



Red (89%)

Yellow (63%)

Blue (90%)

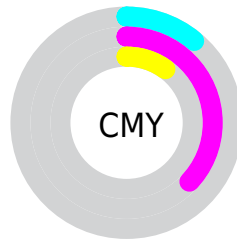


Cyan (1%)

Magenta (30%)

Yellow (0%)

Black (10%)



Cyan (11%)


Magenta (37%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3922, 47.1296, 80.1481 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 58.3922, 47.1296, 80.1481 by changing the saturation by 10% instead.


 58.3922, 47.1296,
80.1481


 58.3922, 47.1296,
80.1481


408.5761,
375.3316, 515.1517

 42.3685, 33.1381,
59.3133


 101.6135, 85.9070,
135.3872

 29.5823, 22.2323,
42.4437


 129.5417,
111.4618, 170.6287

 19.6683, 14.0277,
29.1207

162.1690,
141.6398, 211.5094

 12.2610, 8.1399,
18.9258

199.8604,
176.8253, 258.4480

 6.9952, 4.1846,
11.4404

242.9815,
217.4029, 311.8630

 3.5054, 1.7774,
6.2460

291.8976,

 1.4263, 0.4730,

263.7569, 372.1729

2.9240

346.9740,
316.2717, 439.7963

■ 0.2749, 0.0000,
1.0560

■ 0.0000, 0.0000,
0.0000

■ 58.3922, 47.1296,
80.1481

■ 58.3922, 47.1296,
80.1481

■ 54.5737, 39.8018,
78.9356

■ 62.9457, 55.9243,
81.6063

■ 51.4454, 33.8542,
77.9525

■ 68.2667, 66.2538,
83.3197

■ 48.9648, 29.2008,
77.1851

■ 74.3915, 78.1896,
85.3007

■ 47.0828, 25.7433,
76.6169

■ 81.3524, 91.7965,
87.5602

45.7432, 23.3695,
76.2293

82.6388, 94.0531,
87.9280

44.8791, 21.9455,
76.0000

82.8526, 94.1633,
87.9380

44.3790, 21.2445,
75.8910

83.0672, 94.2740,
87.9481

83.2826, 94.3850,
87.9581

83.4988, 94.4965,
87.9683

Harmonies

Analogous

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



51.5541, 47.1296, 101.2514



58.3922, 47.1296, 80.1481



61.6038, 47.1296, 54.9861

Triad

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



58.3922, 47.1296, 80.1481



46.0590, 47.1296, 19.1433



32.4713, 47.1296, 72.0748

Complementary

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



58.3922, 47.1296, 80.1481



49.2664, 66.2593, 43.4527

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.



31.3614, 47.1296, 47.8132



58.3922, 47.1296, 80.1481



38.6546, 47.1296, 21.2834

Square

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



58.3922, 47.1296, 80.1481



53.9725, 47.1296, 23.3406



33.4921, 47.1296, 30.3896



36.7222, 47.1296, 95.7146

Rectangle

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



58.3922, 47.1296, 80.1481



61.0122, 47.1296, 40.7564



33.4921, 47.1296, 30.3896



31.7413, 47.1296, 63.5583

Sweetspot

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



58.3937, 47.1317, 80.1491



87.9164, 86.0955, 106.5921



41.6153, 39.0795, 79.4792



18.5880, 17.9811, 22.7410



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.



58.3937, 47.1317, 80.1491



71.4508, 54.2444, 101.3121



54.9405, 45.8237, 58.6541



14.9517, 14.5928, 18.1730



25.3922, 12.1561, 43.3912



1.8895, 0.9050, 3.2071

Inverse Universe

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



51.4071, 44.4103, 40.0471



61.2429, 50.2735, 42.4851



52.0547, 67.3280, 60.2393



14.3938, 14.3747, 15.0084



18.5034, 9.5356, 1.0139



1.3733, 0.7070, 0.1065

Previews

White Background



This preview shows how the XYZ color 58.3922, 47.1296, 80.1481 looks on a white background.

Color Contrast Check

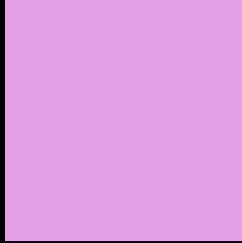
Large Text (above 18pt) WCAG AA × Fail

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 58.3922, 47.1296, 80.1481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

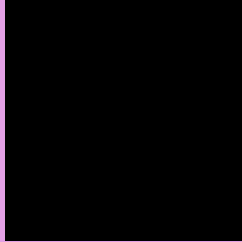
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3922, 47.1296, 80.1481

Background



This preview shows how black text looks on a background with the XYZ color 58.3922, 47.1296, 80.1481.



This preview shows how white text looks on a background with the XYZ color 58.3922, 47.1296,

80.1481.

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

58.3922, 47.1296, 80.1481

Protanopia

48.3701, 47.5787, 92.2222

Deuteranopia

48.3011, 47.2601, 77.8105



Tritanopia

52.4503, 47.1255, 50.5877

Trichromacy



Original Color

58.3922, 47.1296, 80.1481



Protanomaly

51.2626, 46.8105, 87.9949



Deuteranomaly

51.2449, 46.7318, 78.2707



Tritanomaly

54.3764, 47.0839, 60.2550

Monochromacy



Original Color

58.3922, 47.1296, 80.1481



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

51.0570, 48.7091, 63.2107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3922, 47.1296, 80.1481 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(227, 160, 229)` looks like.

```
.text, #text, p{  
    color:rgb(227, 160, 229)  
}
```

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(227, 160, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 160, 229) }
```

Border

The CSS property to change the border of an element to XYZ 58.3922, 47.1296, 80.1481 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(227, 160, 229) }
```


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

```
.border{ border-color:rgb(227, 160, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 160, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 160, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 160, 229);  
box-shadow:4px 4px 4px 4px rgb(227, 160,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3922, 47.1296, 80.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 160, 229) }
```

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

```
.background{ background-color: rgb(227,  
160, 229) }
```

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