

Converting Colors

XYZ(58.1849, 47.4264, 85.4444)

Have a look what the booklet for
XYZ(58.1849, 47.4264, 85.4444)
contains.

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Color

**XYZ(58.1849, 47.4264,
85.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	DEA2EC
RGB	222, 162, 236
RGB Percent	87%, 64%, 93%
CMY	0.1294, 0.3647, 0.0745
CMYK	0.06, 0.31, 0.00, 0.07
HSL	289°, 66%, 78%
HSV	289°, 31%, 93%
XYZ	58.1849, 47.4264, 85.4444
YIQ	188.3760, 12.0060, 35.7340

Conversions

Conversions Part 2

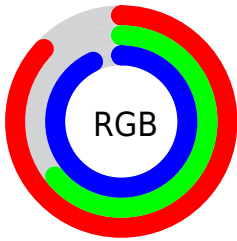
Format	Color
R _Y B	222, 162, 236
Decimal	14590700
CIE Lab	74.46, 34.63, -28.51
CIE LCh	74, 44.852, 320.537
Yxy	47.4264, 0.3045, 0.2482
Android (android.graphics.Color)	4292780780 (0xFFDEA2EC)
YUV	188.3760, 23.4786, 29.4882
Hunter-Lab	68.8668, 30.2959, -25.3555

Details

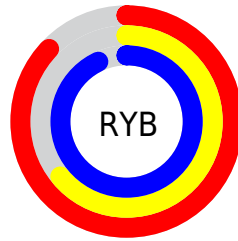
The XYZ color **58.1849, 47.4264, 85.4444** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.4231, 71.8308, 45.1810**, and the grayscale version is **47.8809, 50.3744, 54.8578**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **29.4327, 22.3396, 45.9407** is the 20% darker color. If you saturate the color by 10%, you get **53.0623, 39.1837, 84.1241**, and if you desaturate by 10%, it is **64.1268, 57.2520, 87.0285**.

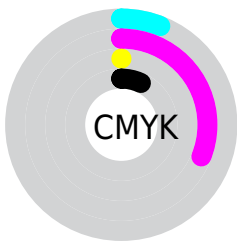
Distribution



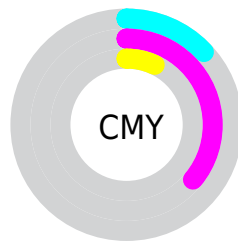
- Red (87%)
- Green (64%)
- Blue (93%)



- Red (87%)
- Yellow (64%)
- Blue (93%)



- Cyan (6%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)





- Cyan (13%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1849, 47.4264, 85.4444 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 58.1849, 47.4264, 85.4444 by changing the saturation by 10% instead.

 58.1849, 47.4264,
85.4444


 58.1849, 47.4264,
85.4444


407.8173,
376.5140, 533.2803

 42.2012, 33.3729,
63.6564

 101.3135, 86.3498,
142.8736

 29.4506, 22.4122,
45.9280

 129.1890,
111.9884, 179.3518

 19.5680, 14.1601,
31.8408

161.7592,
142.2575, 221.5639

 12.1878, 8.2321,
20.9761

199.3894,
177.5414, 269.9283

 6.9448, 4.2438,
12.9155

242.4450,
218.2247, 324.8636

 3.4736, 1.8109,
7.2403

291.2912,

 1.4089, 0.4939,

264.6916, 386.7883

3.5321

346.2936,
317.3266, 456.1211

■ 0.2626, 0.0000,
1.3723

■ 0.0000, 0.0000,
0.1200

■ 58.1849, 47.4264,
85.4444

■ 58.1849, 47.4264,
85.4444

■ 53.0623, 39.1837,
84.1241

■ 64.1268, 57.2520,
87.0285

■ 48.7105, 32.4301,
83.0499

■ 70.9241, 68.7353,
88.8867

■ 45.0827, 27.0715,
82.2068

■ 78.6162, 81.9534,
91.0327

■ 42.1248, 23.0003,
81.5769

■ 86.7885, 96.0771,
93.3281

■ 39.7748, 20.0930,
81.1395

■ 88.3219, 96.8676,
93.3998

■ 37.9586, 18.2014,
80.8702

■ 89.8928, 97.6775,
93.4734

■ 36.7152, 17.1784,
80.7382

■ 91.5015, 98.5068,
93.5487

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



50.7577, 47.4264, 105.6005



58.1849, 47.4264, 85.4444



62.2280, 47.4264, 59.3152

Triad

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



58.1849, 47.4264, 85.4444



47.6834, 47.4264, 18.9820



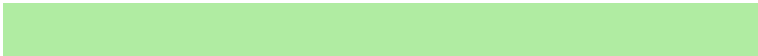
32.0233, 47.4264, 68.8979

Complementary

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



58.1849, 47.4264, 85.4444



54.4231, 71.8308, 45.1810

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.



31.4087, 47.4264, 44.6559



58.1849, 47.4264, 85.4444



39.8375, 47.4264, 20.1470

Square

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



58.1849, 47.4264, 85.4444



55.7045, 47.4264, 24.3161



34.1029, 47.4264, 28.1845



35.8959, 47.4264, 94.2346

Rectangle

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



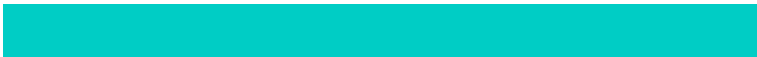
58.1849, 47.4264, 85.4444



62.1652, 47.4264, 43.9131



34.1029, 47.4264, 28.1845



31.4485, 47.4264, 60.2224

Sweetspot

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



58.1864, 47.4284, 85.4454



86.5813, 85.4072, 106.5297



45.7252, 45.1050, 85.6537



18.2568, 17.8103, 22.7255



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.



58.1864, 47.4284, 85.4454



65.1082, 49.6553, 100.7606



59.6259, 48.5203, 69.7086



15.4193, 15.1614, 19.0360



20.3421, 9.5226, 44.5089



1.6693, 0.7848, 3.4984

Inverse Universe

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



55.3504, 46.8101, 47.1942



61.3632, 48.8996, 47.5031



53.5701, 71.1426, 56.3678



15.1819, 15.1006, 16.2431



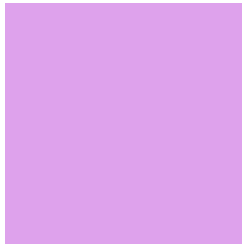
19.3602, 9.9468, 2.4320



1.5528, 0.7941, 0.3623

Previews

White Background



This preview shows how the XYZ color 58.1849, 47.4264, 85.4444 looks on a white background.

Color Contrast Check

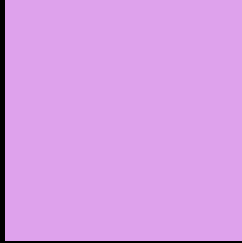
Large Text (above 18pt) WCAG AA × Fail

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 58.1849, 47.4264, 85.4444 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 58.1849, 47.4264, 85.4444

Background



This preview shows how black text looks on a background with the XYZ color 58.1849, 47.4264, 85.4444.



This preview shows how white text looks on a background with the XYZ color 58.1849, 47.4264,

85.4444.

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

58.1849, 47.4264, 85.4444

Protanopia

48.8834, 47.7364, 97.0801

Deuteranopia

48.9337, 47.7558, 83.7295



Tritanopia

51.5338, 47.4549, 52.3425

Trichromacy



Original Color

58.1849, 47.4264, 85.4444



Protanomaly

51.3846, 47.0550, 92.7605



Deuteranomaly

51.7872, 47.1651, 84.2162



Tritanomaly

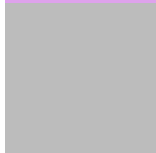
53.8152, 47.2703, 63.4145

Monochromacy



Original Color

58.1849, 47.4264, 85.4444



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

50.9590, 48.9273, 64.5157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1849, 47.4264, 85.4444 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(222, 162, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 162, 236)  
}
```

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(222, 162, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 162, 236) }
```

Border

The CSS property to change the border of an element to XYZ 58.1849, 47.4264, 85.4444 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(222, 162, 236) }
```


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

```
.border{ border-color:rgb(222, 162, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 162, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 162, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 162, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 162,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1849, 47.4264, 85.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 162, 236) }
```

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

```
.background{ background-color: rgb(222,  
162, 236) }
```

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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