

Converting Colors

XYZ(41.7743, 29.4632, 45.5184)

Have a look what the booklet for
XYZ(41.7743, 29.4632, 45.5184)
contains.

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Color

**XYZ(41.7848, 29.5451,
45.6200)**

Conversions

Conversions Part 1

Format	Color
Hex	D672B2
RGB	214, 114, 178
RGB Percent	84%, 45%, 70%
CMY	0.1608, 0.5529, 0.3020
CMYK	0.00, 0.47, 0.17, 0.16
HSL	322°, 55%, 64%
HSV	322°, 47%, 84%
XYZ	41.7848, 29.5451, 45.6200
YIQ	151.1960, 39.0560, 41.1040

Conversions

Conversions Part 2

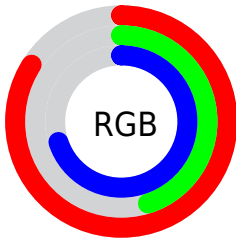
Format	Color
RYB	214, 114, 178
Decimal	14054066
CIELab	61.26, 47.17, -16.45
CIELCh	61, 49.956, 340.775
Yxy	29.5451, 0.3573, 0.2526
Android (android.graphics.Color)	4292244146 (0xFFD672B2)
YUV	151.1960, 13.2144, 55.0791
Hunter-Lab	54.3554, 42.0969, -11.7128

Details

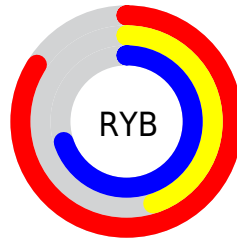
The XYZ color **41.7848, 29.5451, 45.6200** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4924, 53.8736, 37.3318**, and the grayscale version is **29.4336, 30.9665, 33.7225**.

A 20% lighter version of the original color is **70.0939, 55.2058, 84.8033**, and **19.2750, 11.9863, 20.6997** is the 20% darker color. If you saturate the color by 10%, you get **38.8954, 24.9694, 40.9469**, and if you desaturate by 10%, it is **45.2841, 35.2702, 50.7113**.

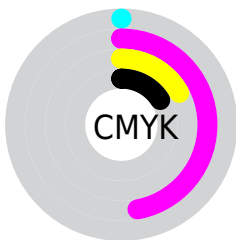
Distribution



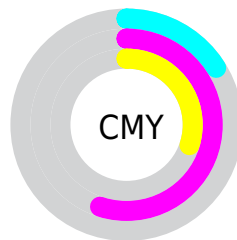
- Red (84%)
- Green (45%)
- Blue (70%)



- Red (84%)
- Yellow (45%)
- Blue (70%)



- Cyan (0%)
- Magenta (47%)
- Yellow (17%)
- Black (16%)





- Cyan (16%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7848, 29.5451, 45.6200 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 41.7848, 29.5451, 45.6200 by changing the saturation by 10% instead.


 41.7848, 29.5451,
45.6200

 41.7848, 29.5451,
45.6200

344.5969,
299.7783, 385.5119


 29.1232, 19.4936,
31.5996


 77.1410, 58.9420,
84.9783

 19.3188, 12.0275,
20.7935


 100.5664, 79.0562,
111.1532

 12.0062, 6.7624,
12.7834


 128.3103,
103.2934, 142.2167

 6.8201, 3.3139,
7.1506

160.7383,
132.0380, 178.5874

 3.3952, 1.2977,
3.4766

198.2155,
165.6744, 220.6837

 1.3660, 0.1395,
1.3428

241.1075,

 0.2318, 0.0000,

204.5870, 268.9242

0.0965

289.7795,
249.1601, 323.7274

■ 0.0000, 0.0000,
0.0000

■ 41.7848, 29.5451,
45.6200

■ 41.7848, 29.5451,
45.6200

■ 38.8954, 24.9694,
40.9469

■ 45.2841, 35.2702,
50.7113

■ 36.5725, 21.4586,
36.6733

■ 49.4273, 42.2130,
56.2348

■ 34.7711, 18.9236,
32.7808


■ 54.2492, 50.4414,
62.2056


■ 33.4376, 17.2585,
29.2480


■ 59.7810, 60.0169,
68.6374


■ 32.5031, 16.3265,
26.0481

■ 66.0522, 70.9972,
75.5432

 32.2441, 16.1012,
25.0591

 73.0903, 83.4366,
82.9353

 78.0476, 91.6386,
89.8675

 79.1660, 92.0859,
95.7567

 80.3329, 92.5527,
101.9018

Harmonies

Analogous

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



37.1703, 29.5451, 68.0997



41.7848, 29.5451, 45.6200



42.4162, 29.5451, 25.8666

Triad

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



41.7848, 29.5451, 45.6200



25.7848, 29.5451, 8.1046



19.5574, 29.5451, 62.0693

Complementary

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



41.7848, 29.5451, 45.6200



36.4924, 53.8736, 37.3318

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.



17.4064, 29.5451, 39.4213



41.7848, 29.5451, 45.6200



20.6104, 29.5451, 11.8080

Square

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



41.7848, 29.5451, 45.6200



32.4521, 29.5451, 8.6678



17.7592, 29.5451, 21.6627



24.1225, 29.5451, 79.8753

Rectangle

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



41.7848, 29.5451, 45.6200



40.3996, 29.5451, 16.9769



17.7592, 29.5451, 21.6627



18.5629, 29.5451, 54.4694

Sweetspot

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



41.7857, 29.5465, 45.6206



82.6990, 78.4994, 94.9137



30.5508, 23.2808, 66.5024



17.3349, 16.1713, 19.8806



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.



41.7857, 29.5465, 45.6206



57.9062, 37.2325, 61.0035



37.7125, 27.9172, 24.1714



12.7544, 12.5533, 14.6471



19.5406, 9.7526, 15.4170



1.2175, 0.6038, 1.1349

Inverse Universe

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



41.7857, 29.5465, 45.6206



57.9062, 37.2325, 61.0035



41.2959, 55.7950, 62.6268



12.7544, 12.5533, 14.6471



19.5406, 9.7526, 15.4170



1.2175, 0.6038, 1.1349

Previews

White Background



This preview shows how the XYZ color 41.7848, 29.5451, 45.6200 looks on a white background.

Color Contrast Check

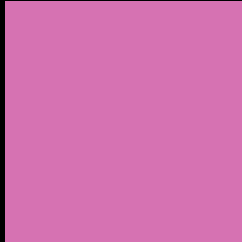
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7848, 29.5451, 45.6200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

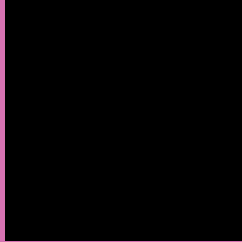
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7848, 29.5451, 45.6200

Background



This preview shows how black text looks on a background with the XYZ color 41.7848, 29.5451, 45.6200.



This preview shows how white text looks on a background with the XYZ color 41.7848, 29.5451,

45.6200.

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

41.7848, 29.5451, 45.6200

Protanopia

30.4944, 29.7614, 59.3956

Deuteranopia

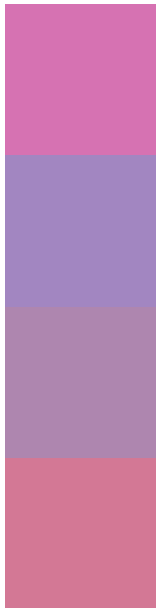
30.4307, 29.8472, 43.6924



Tritanopia

37.5423, 29.3872, 25.5234

Trichromacy



Original Color

41.7848, 29.5451, 45.6200

Protanomaly

33.0510, 28.5818, 54.2269

Deuteranomaly

33.7185, 29.1440, 44.4056

Tritanomaly

39.0053, 29.4518, 32.0627

Monochromacy



Original Color

41.7848, 29.5451, 45.6200

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.9771, 29.7488, 37.7222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7848, 29.5451, 45.6200 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(214, 114, 178)` looks like.

```
.text, #text, p{  
    color:rgb(214, 114, 178)  
}
```

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(214, 114, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 114, 178) }
```

Border

The CSS property to change the border of an element to XYZ 41.7848, 29.5451, 45.6200 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(214, 114, 178) }
```


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

```
.border{ border-color:rgb(214, 114, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 114, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 114, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 114, 178);  
box-shadow:4px 4px 4px 4px rgb(214, 114,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7848, 29.5451, 45.6200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 114, 178) }
```

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

```
.background{ background-color: rgb(214,  
114, 178) }
```

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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