

Converting Colors

XYZ(45.4533, 29.9229, 66.8000)

Have a look what the booklet for
XYZ(45.4533, 29.9229, 66.8000)
contains.

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Color

**XYZ(45.5245, 30.0272,
67.0148)**

Conversions

Conversions Part 1

Format	Color
Hex	D76CD6
RGB	215, 108, 214
RGB Percent	84%, 42%, 84%
CMY	0.1569, 0.5765, 0.1608
CMYK	0.00, 0.50, 0.00, 0.16
HSL	301°, 57%, 63%
HSV	301°, 50%, 84%
XYZ	45.5245, 30.0272, 67.0148
YIQ	152.0770, 29.7460, 55.6500

Conversions

Conversions Part 2

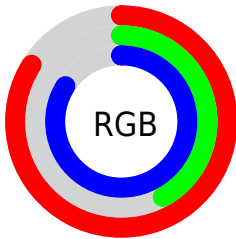
Format	Color
R _Y B	215, 108, 214
Decimal	14118102
CIE Lab	61.68, 56.39, -36.20
CIE LCh	62, 67.007, 327.302
Yxy	30.0272, 0.3193, 0.2106
Android (android.graphics.Color)	4292308182 (0xFFD76CD6)
YUV	152.0770, 30.5280, 55.1835
Hunter-Lab	54.7971, 52.3999, -34.1515

Details

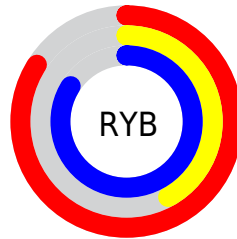
The XYZ color **45.5245, 30.0272, 67.0148** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.2464, 52.8943, 22.9270**, and the grayscale version is **29.7427, 31.2916, 34.0766**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **21.6317, 12.3185, 34.0385** is the 20% darker color. If you saturate the color by 10%, you get **43.5050, 26.0286, 66.2153**, and if you desaturate by 10%, it is **48.1051, 35.1466, 68.0021**.

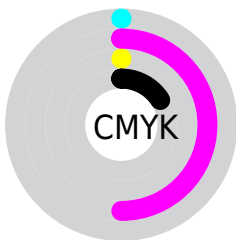
Distribution



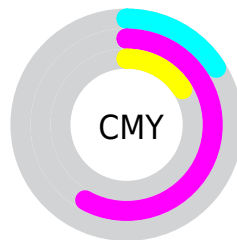
- Red (84%)
- Green (42%)
- Blue (84%)



- Red (84%)
- Yellow (42%)
- Blue (84%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5245, 30.0272, 67.0148 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 45.5245, 30.0272, 67.0148 by changing the saturation by 10% instead.


 45.5245, 30.0272,
67.0148


 45.5245, 30.0272,
67.0148

359.6417,
302.0312, 468.5004


 32.0738, 19.8592,
48.6350


 82.7392, 59.7052,
116.5825

 21.5737, 12.2928,
33.9665


 107.2338, 79.9840,
148.6074

 13.6588, 6.9434,
22.5907


 136.1405,
104.4019, 186.0178

 7.9639, 3.4267,
14.0891

 169.8245,
133.3432, 229.2322

 4.1235, 1.3584,
8.0432

208.6513,
167.1925, 278.6691

 1.7722, 0.1857,
4.0344

252.9862,

 0.5008, 0.0000,

206.3339, 334.7470

1.6443

303.1946,
251.1521, 397.8846

■ 0.0000, 0.0000,
0.3221

■ 0.0000, 0.0000,
0.0000

■ 45.5245, 30.0272,
67.0148

■ 45.5245, 30.0272,
67.0148

■ 43.5050, 26.0286,
66.2153

■ 48.1051, 35.1466,
68.0021

■ 42.0017, 23.0630,
65.5877


■ 51.2814, 41.4579,
69.1878


■ 40.9679, 21.0363,
65.1167


■ 55.0886, 49.0311,
70.5840


■ 40.3469, 19.8354,
64.7836


■ 59.5585, 57.9296,
72.2012


 40.0399, 19.2621,
64.5552


 64.7207, 68.2128,
74.0494

 40.0338, 19.2509,
64.5502

 70.6031, 79.9360,
76.1377

 76.1031, 90.8946,
78.0988

 76.1290, 90.9050,
78.2354

 76.1550, 90.9154,
78.3721

Harmonies

Analogous

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



37.1431, 30.0272, 98.5611



45.5245, 30.0272, 67.0148



49.3056, 30.0272, 35.0590

Triad

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



45.5245, 30.0272, 67.0148



29.3540, 30.0272, 4.0925



15.8610, 30.0272, 60.7647

Complementary

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



45.5245, 30.0272, 67.0148



33.2464, 52.8943, 22.9270

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.



14.6175, 30.0272, 30.4388



45.5245, 30.0272, 67.0148



21.3797, 30.0272, 5.6018

Square

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



45.5245, 30.0272, 67.0148



38.8332, 30.0272, 6.3449



16.4124, 30.0272, 12.7042



20.2482, 30.0272, 93.8194

Rectangle

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



45.5245, 30.0272, 67.0148



48.2246, 30.0272, 20.1634



16.4124, 30.0272, 12.7042



15.1071, 30.0272, 49.5692

Sweetspot

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



45.5255, 30.0285, 67.0154



83.9809, 77.9539, 104.9264



23.8140, 18.8210, 66.6687



17.6823, 16.1020, 22.3523



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.



45.5255, 30.0285, 67.0154



63.8118, 37.8909, 97.3548



39.8654, 27.7645, 37.2093



12.9478, 12.6306, 15.6654



23.9470, 11.5151, 38.6207



1.4460, 0.6952, 2.3381

Inverse Universe

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



45.5255, 30.0285, 67.0154



63.8118, 37.8909, 97.3548



36.9633, 54.3811, 42.4998



12.9478, 12.6306, 15.6654



23.9470, 11.5151, 38.6207



1.4460, 0.6952, 2.3381

Previews

White Background



This preview shows how the XYZ color 45.5245, 30.0272, 67.0148 looks on a white background.

Color Contrast Check

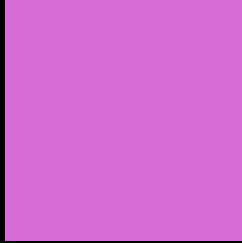
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5245, 30.0272, 67.0148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

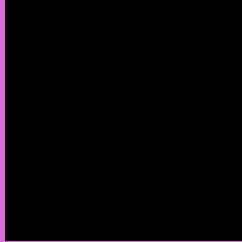
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5245, 30.0272, 67.0148

Background



This preview shows how black text looks on a background with the XYZ color 45.5245, 30.0272, 67.0148.



This preview shows how white text looks on a background with the XYZ color 45.5245, 30.0272,

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

45.5245, 30.0272, 67.0148

Protanopia

33.2201, 30.4628, 91.3178

Deuteranopia

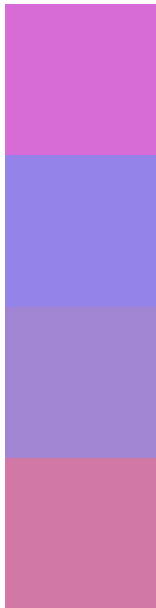
31.0583, 30.4306, 63.2682



Tritanopia

37.2101, 29.9355, 27.1095

Trichromacy



Original Color

45.5245, 30.0272, 67.0148

Protanomaly

35.3153, 28.7389, 81.5278

Deuteranomaly

34.7183, 29.0053, 64.7415

Tritanomaly

39.7118, 29.6686, 38.7555

Monochromacy



Original Color

45.5245, 30.0272, 67.0148

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

34.2212, 29.8174, 44.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5245, 30.0272, 67.0148 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(215, 108, 214)` looks like.

```
.text, #text, p{  
    color:rgb(215, 108, 214)  
}
```

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(215, 108, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 108, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.5245, 30.0272, 67.0148 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(215, 108, 214) }
```


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

```
.border{ border-color:rgb(215, 108, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 108, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 108, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 108, 214);  
box-shadow:4px 4px 4px 4px rgb(215, 108,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5245, 30.0272, 67.0148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 108, 214) }
```

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

```
.background{ background-color: rgb(215,  
108, 214) }
```

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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