

Converting Colors

XYZ(45.3967, 29.6381, 83.8458)

Have a look what the booklet for
XYZ(45.3967, 29.6381, 83.8458)
contains.

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Color

**XYZ(45.4238, 29.5947,
84.2072)**

Conversions

Conversions Part 1

Format	Color
Hex	CB6CEE
RGB	203, 108, 238
RGB Percent	80%, 42%, 93%
CMY	0.2039, 0.5765, 0.0667
CMYK	0.15, 0.55, 0.00, 0.07
HSL	284°, 79%, 68%
HSV	284°, 55%, 93%
XYZ	45.4238, 29.5947, 84.2072
YIQ	151.2250, 14.8900, 60.5700

Conversions

Conversions Part 2

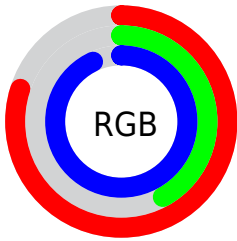
Format	Color
R _Y B	203, 108, 238
Decimal	13331694
CIE Lab	61.30, 57.72, -50.30
CIE LCh	61, 76.558, 318.927
Yxy	29.5947, 0.2853, 0.1859
Android (android.graphics.Color)	4291521774 (0xFFCB6CEE)
YUV	151.2250, 42.7801, 45.4067
Hunter-Lab	54.4010, 53.8423, -53.6941

Details

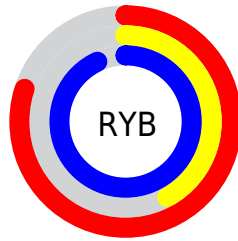
The XYZ color **45.4238, 29.5947, 84.2072** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **44.6099, 68.0721, 24.9766**, and the grayscale version is **29.3309, 30.8584, 33.6048**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **21.5137, 12.0855, 44.9149** is the 20% darker color. If you saturate the color by 10%, you get **41.5389, 24.3611, 83.4023**, and if you desaturate by 10%, it is **50.0681, 36.2377, 85.2451**.

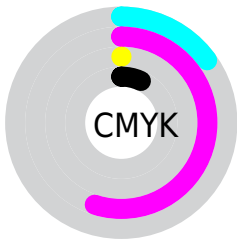
Distribution



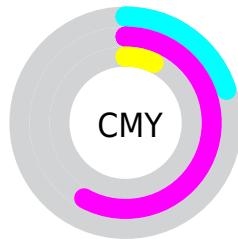
- Red (80%)
- Green (42%)
- Blue (93%)



- Red (80%)
- Yellow (42%)
- Blue (93%)



- Cyan (15%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4238, 29.5947, 84.2072 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 45.4238, 29.5947, 84.2072 by changing the saturation by 10% instead.


 45.4238, 29.5947,
84.2072


 45.4238, 29.5947,
84.2072


359.2421,
300.0107, 529.0771


 31.9941, 19.5312,
62.6401


 82.5892, 59.0206,
141.1293

 21.5125, 12.0547,
45.1110


 107.0555, 79.1518,
177.3214

 13.6137, 6.7809,
31.2013


 135.9314,
103.4076, 219.2256

 7.9324, 3.3255,
20.4924

 169.5823,
132.1725, 267.2605

 4.1032, 1.3039,
12.5659

208.3734,
165.8309, 321.8445

 1.7607, 0.1442,
7.0031

252.6702,

 0.4938, 0.0000,

204.7671, 383.3962

3.3856

302.8380,
249.3656, 452.3343

■ 0.0000, 0.0000,
1.2947

■ 0.0000, 0.0000,
0.0575

■ 45.4238, 29.5947,
84.2072

■ 45.4238, 29.5947,
84.2072

■ 41.5389, 24.3611,
83.4023

■ 50.0681, 36.2377,
85.2451

■ 38.3518, 20.4186,
82.8092


■ 55.5199, 44.3886,
86.5311


■ 35.7964, 17.6348,
82.4066


■ 61.8272, 54.1408,
88.0810


■ 33.7904, 15.8468,
82.1672


■ 69.0330, 65.5792,
89.9091


 32.8715, 15.1631,
82.0837

 77.1773, 78.7827,
92.0283

 86.2976, 93.8251,
94.4511

 89.8529, 97.6231,
94.9968

 92.1621, 98.8136,
95.1049

 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



34.8984, 29.5947, 118.4588



45.4238, 29.5947, 84.2072



51.7699, 29.5947, 44.1077

Triad

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



45.4238, 29.5947, 84.2072



32.0193, 29.5947, 2.6760



13.4856, 29.5947, 53.7998

Complementary

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



45.4238, 29.5947, 84.2072



44.6099, 68.0721, 24.9766

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.



13.0689, 29.5947, 22.6924



45.4238, 29.5947, 84.2072



22.2968, 29.5947, 3.0685

Square

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



45.4238, 29.5947, 84.2072



42.8875, 29.5947, 5.8728



15.8976, 29.5947, 7.7770



17.2163, 29.5947, 94.8294

Rectangle

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



45.4238, 29.5947, 84.2072



51.9595, 29.5947, 24.3518



15.8976, 29.5947, 7.7770



12.9935, 29.5947, 41.6316

Sweetspot

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



45.4249, 29.5959, 84.2079



79.4609, 74.6503, 104.8287



31.7180, 29.5624, 84.9238



16.6232, 15.3640, 22.3394



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.



45.4249, 29.5959, 84.2079



47.9239, 27.6440, 97.4177



52.2354, 33.5482, 64.5872



16.0150, 15.8050, 19.9282



18.4685, 8.5263, 45.8002



1.6306, 0.7578, 3.8146

Inverse Universe

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



45.5812, 30.8865, 29.5469



48.7895, 29.6941, 24.9937



41.2156, 66.1203, 33.9462



15.9476, 15.8287, 17.2801



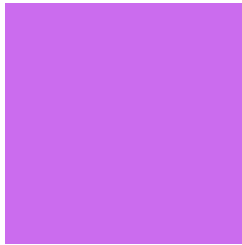
20.2350, 10.3664, 3.8879



1.7234, 0.8784, 0.5345

Previews

White Background



This preview shows how the XYZ color 45.4238, 29.5947, 84.2072 looks on a white background.

Color Contrast Check

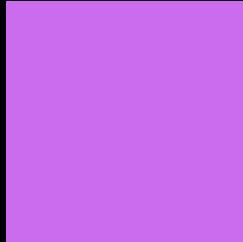
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4238, 29.5947, 84.2072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

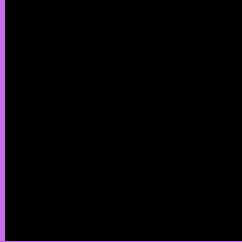
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4238, 29.5947, 84.2072

Background



This preview shows how black text looks on a background with the XYZ color 45.4238, 29.5947, 84.2072.



This preview shows how white text looks on a background with the XYZ color 45.4238, 29.5947,

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

45.4238, 29.5947, 84.2072

Protanopia

33.3210, 30.1234, 98.6659

Deuteranopia

30.6985, 29.8962, 79.0155



Tritanopia

34.3317, 29.5770, 29.8861

Trichromacy



Original Color

45.4238, 29.5947, 84.2072



Protanomaly

35.6667, 28.6604, 93.2747



Deuteranomaly

34.0800, 28.3210, 80.7611



Tritanomaly

37.4917, 29.0990, 45.7601

Monochromacy



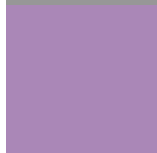
Original Color

45.4238, 29.5947, 84.2072



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

33.7888, 29.2929, 48.6730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4238, 29.5947, 84.2072 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(203, 108, 238)` looks like.

```
.text, #text, p{  
    color:rgb(203, 108, 238)  
}
```

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(203, 108, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 108, 238) }
```

Border

The CSS property to change the border of an element to XYZ 45.4238, 29.5947, 84.2072 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(203, 108, 238) }
```


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

```
.border{ border-color:rgb(203, 108, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 108, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 108, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 108, 238);  
box-shadow:4px 4px 4px 4px rgb(203, 108,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4238, 29.5947, 84.2072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 108, 238) }
```

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

```
.background{ background-color: rgb(203,  
108, 238) }
```

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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