

Converting Colors

YUV(116.4720, 58.4343,
64.4841)

Have a look what the booklet for
YUV(116.4720, 58.4343, 64.4841)
contains.

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Color

**YUV(116.4720, 58.4343,
64.4841)**

Conversions

Conversions Part 1

Format	Color
Hex	BE38EB
RGB	190, 56, 235
RGB Percent	75%, 22%, 92%
CMY	0.2549, 0.7804, 0.0784
CMYK	0.19, 0.76, 0.00, 0.08
HSL	285°, 82%, 57%
HSV	285°, 76%, 92%
XYZ	37.6448, 19.7737, 80.4299
YIQ	116.4720, 22.4050, 84.0770

Conversions

Conversions Part 2

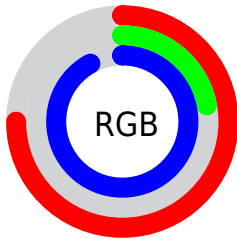
Format	Color
R _Y B	190, 56, 235
Decimal	12466411
CIE Lab	51.58, 75.90, -64.28
CIE LCh	52, 99.457, 319.739
Yxy	19.7737, 0.2731, 0.1434
Android (android.graphics.Color)	4290656491 (0xFFBE38EB)
YUV	116.4720, 58.4343, 64.4841
Hunter-Lab	44.4676, 73.2939, -76.1123

Details

The YUV color **116.4720, 58.4343, 64.4841** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **174.5280, -58.4343, -64.4841**, and the grayscale version is **116.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **172.4990, 40.6730, 67.9684**, and **59.4610, 58.4397, 62.7397** is the 20% darker color. If you saturate the color by 10%, you get **101.1770, 65.9747, 72.6358**, and if you desaturate by 10%, it is **131.7670, 50.8939, 56.3323**.

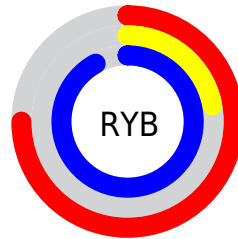
Distribution



Red (75%)

Green (22%)

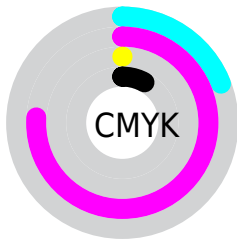
Blue (92%)



Red (75%)

Yellow (22%)

Blue (92%)

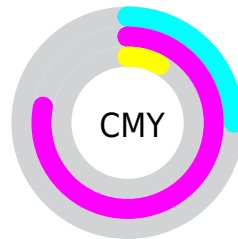


Cyan (19%)

Magenta (76%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (78%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the YUV color 116.4720, 58.4343, 64.4841 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 YUV color 116.4720, 58.4343, 64.4841 by changing the saturation by 10% instead.


 116.4720, 58.4343,
64.4841


 116.4720, 58.4343,
64.4841


255.0000, 0.0000,
0.0000


 77.7810, 63.2120,
72.1061


 172.4990, 40.6730,
67.9684


 59.4610, 58.4397,
62.7397


 191.0170, 31.5436,
56.1131

 47.7120, 50.9210,
47.6106


 208.0400, 23.1513,
41.1839

 35.9630, 43.4022,
32.4814

 225.0630, 14.7589,
26.2547

 24.6270, 36.1729,
17.8671

 242.6730, 6.0772,
10.8108

 8.3220, 31.8863,
-7.2984

 7.9340, 20.2455,

-6.9581

■ 3.7790, 11.9410,
-3.3142

■ 0.0000, 0.0000,
0.0000

■ 116.4720, 58.4343,
64.4841

■ 116.4720, 58.4343,
64.4841

■ 101.1770, 65.9747,
72.6358

■ 131.7670, 50.8939,
56.3323

■ 85.2950, 73.8046,
81.3023

■ 147.6490, 43.0640,
47.6658

■ 79.4140, 76.7039,
84.7059

■ 162.9440, 35.5236,
39.5141

■ 178.8260, 27.6938,
30.8476

■ 194.7080, 19.8640,
22.1811

■ 209.7040, 12.4709,
13.4146

■ 225.5860, 4.6411,
4.7481

■ 240.8810, -2.8993,
-3.4036

■ 249.1320, -6.9671,
-5.3778

Harmonies

Analogous

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



96.5750, 78.1035, -84.6963



116.4720, 58.4343, 64.4841



93.4310, 30.8465, 139.9420

Triad

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



116.4720, 58.4343, 64.4841



116.0090, -57.1924, 50.8581



111.9780, 33.0418, -98.2047

Complementary

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



116.4720, 58.4343, 64.4841



174.5280, -58.4343, -64.4841

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.



100.6580, -5.2544, -88.2771



116.4720, 58.4343, 64.4841



108.5360, -53.5082, -10.9941

Square

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



116.4720, 58.4343, 64.4841



101.9410, -50.2569, 113.1847



86.8760, -42.8299, -76.1903



119.3540, 66.3805, -104.6735

Rectangle

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



116.4720, 58.4343, 64.4841



87.6450, 6.0910, 146.7703



86.8760, -42.8299, -76.1903



108.6720, 20.3747, -95.3053

Sweetspot

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



116.4720, 58.4343, 64.4841



215.8820, 19.2852, 21.1515



104.5820, 64.2961, -42.6064



104.1770, 11.7447, 12.9998



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



116.4720, 58.4343, 64.4841



101.4740, 75.6883, 83.7763



125.1390, 33.4555, 96.3481



109.6460, 3.6255, 3.8185



61.2980, 59.0131, 65.5137



18.1160, 17.6908, 19.1923

Inverse Universe

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



114.6510, -6.7299, 105.5461



98.9800, -8.8641, 136.8295



165.8610, -33.4555, -96.3481



109.6310, -0.3111, 6.4626



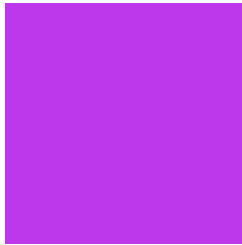
59.3630, -6.5880, 106.6756



17.6280, -2.2816, 31.8982

Previews

White Background



This preview shows how the YUV color 116.4720, 58.4343, 64.4841 looks on a white background.

Color Contrast Check

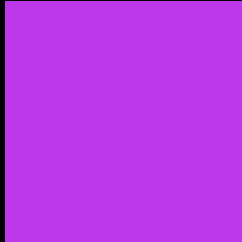
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 116.4720, 58.4343, 64.4841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

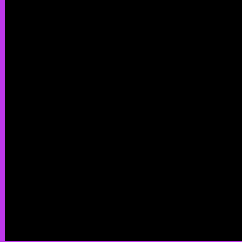
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YUV 116.4720, 58.4343, 64.4841

Background



This preview shows how black text looks on a background with the YUV color 116.4720, 58.4343, 64.4841.



This preview shows how white text looks on a background with the YUV color 116.4720, 58.4343, 64.4841.

64.4841.

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

116.4720, 58.4343, 64.4841

Protanopia

98.4670, 75.1988, -86.3556

Deuteranopia

98.6830, 60.7953, -86.5450



Tritanopia

124.5430, -6.6767, 41.6198

Trichromacy



Original Color

116.4720, 58.4343, 64.4841



Protanomaly

104.9130, 69.0629, -31.4957



Deuteranomaly

105.2090, 60.0430, -31.7553



Tritanomaly

121.7870, 16.8670, 50.1758

Monochromacy



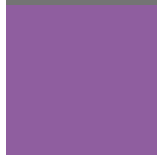
Original Color

116.4720, 58.4343, 64.4841



Achromatopsia

116.0000, 0.0000, 0.0000



Achromatomaly

116.0610, 21.1689, 23.6255

CSS Examples

Text

The CSS property to change the color of the text to YUV 116.4720, 58.4343, 64.4841 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(190, 56, 235)` looks like.

```
.text, #text, p{  
    color:rgb(190, 56, 235)  
}
```

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(190, 56, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 56, 235) }
```

Border

The CSS property to change the border of an element to YUV 116.4720, 58.4343, 64.4841 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(190, 56, 235) }
```


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

```
.border{ border-color:rgb(190, 56, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 56, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 56, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 56, 235); box-shadow:4px 4px 4px 4px rgb(190, 56, 235) }
```

Background

The CSS property to change the background color of an element to YUV 116.4720, 58.4343, 64.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 56, 235) }
```

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

```
.background{ background-color: rgb(190, 56,  
235) }
```

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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