

Converting Colors

YUV(116.3540, 50.6045,
55.8175)

Have a look what the booklet for
YUV(116.3540, 50.6045, 55.8175)
contains.

YUV(116.3540, 50.6045, 55.8175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(116.3540, 50.6045,
55.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	B440DB
RGB	180, 64, 219
RGB Percent	71%, 25%, 86%
CMY	0.2941, 0.7490, 0.1412
CMYK	0.18, 0.71, 0.00, 0.14
HSL	285°, 68%, 55%
HSV	285°, 71%, 86%
XYZ	33.4420, 18.4846, 68.8231
YIQ	116.3540, 19.3810, 72.7970

Conversions

Conversions Part 2

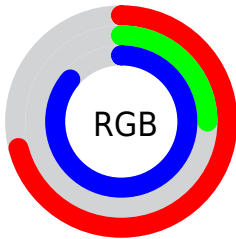
Format	Color
RYB	180, 64, 219
Decimal	11813083
CIELab	50.08, 68.16, -57.71
CIELCh	50, 89.313, 319.745
Yxy	18.4846, 0.2770, 0.1531
Android (android.graphics.Color)	4290003163 (0xFFB440DB)
YUV	116.3540, 50.6045, 55.8175
Hunter-Lab	42.9937, 63.6045, -64.8143

Details

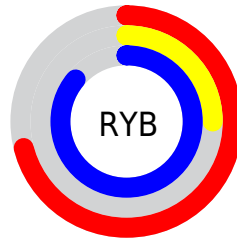
The YUV color **116.3540, 50.6045, 55.8175** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **166.6460, -50.6045, -55.8175**, and the grayscale version is **116.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.5580, 41.1369, 59.1466**, and **55.3590, 53.0670, 59.3212** is the 20% darker color. If you saturate the color by 10%, you get **101.6460, 57.8555, 63.4545**, and if you desaturate by 10%, it is **131.0620, 43.3534, 48.1806**.

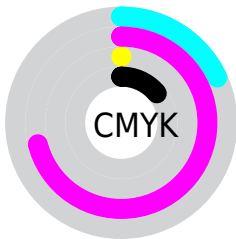
Distribution



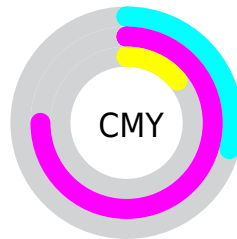
- Red (71%)
- Green (25%)
- Blue (86%)



- Red (71%)
- Yellow (25%)
- Blue (86%)



- Cyan (18%)
- Magenta (71%)
- Yellow (0%)
- Black (14%)



- Cyan (29%)
- Magenta (75%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the YUV color 116.3540, 50.6045, 55.8175 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 116.3540, 50.6045, 55.8175 by changing the saturation by 10% instead.

■ 116.3540, 50.6045,
55.8175

■ 116.3540, 50.6045,
55.8175

255.0000, 0.0000,
0.0000

■ 85.1200, 52.1988,
57.7768

■ 171.5580, 41.1369,
59.1466

■ 55.3590, 53.0670,
59.3212

■ 192.7780, 30.6754,
54.5687

■ 43.6100, 45.5483,
44.1920

■ 209.8010, 22.2831,
39.6395

■ 32.2740, 38.3189,
29.5777

■ 226.8240, 13.8908,
24.7104

■ 21.6500, 31.2315,
16.0930

■ 243.8470, 5.4984,
9.7812

■ 6.9540, 26.6447,
-6.0987

■ 5.5060, 16.0195,

-4.8288

■ 2.1830, 5.8258,
-1.9145

■ 0.0000, 0.0000,
0.0000

■ 116.3540, 50.6045,
55.8175

■ 116.3540, 50.6045,
55.8175

■ 101.6460, 57.8555,
63.4545

■ 131.0620, 43.3534,
48.1806

■ 87.2370, 64.9592,
71.7062

■ 145.4710, 36.2498,
39.9289

■ 74.0020, 71.4840,
78.9282

■ 160.1790, 28.9988,
32.2920

■ 174.5880, 21.8951,
24.0403

■ 188.7090, 14.9335,
16.9182

■ 203.1180, 7.8298,
8.6665

■ 217.8260, 0.5788,
1.0296

■ 232.2350, -6.5249,
-7.2221

■ 243.4210,
-12.0396, -11.7702

Harmonies

Analogous

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



94.2270, 79.2611, -82.6371



116.3540, 50.6045, 55.8175



87.8490, 30.1474, 130.8054

Triad

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



116.3540, 50.6045, 55.8175



112.7420, -55.5818, 47.5843



107.3160, 30.4102, -94.1161

Complementary

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



116.3540, 50.6045, 55.8175



166.6460, -50.6045, -55.8175

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.



97.0220, -3.9548, -85.0883



116.3540, 50.6045, 55.8175



106.1990, -52.3561, -7.1905

Square

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



116.3540, 50.6045, 55.8175



102.7500, -50.6557, 101.0743



83.9410, -41.3829, -73.6163



113.7800, 60.2545, -99.7851

Rectangle

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



116.3540, 50.6045, 55.8175



85.0250, 6.3967, 142.0521



83.9410, -41.3829, -73.6163



103.7650, 19.3429, -91.0019

Sweetspot

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



116.3540, 50.6045, 55.8175



219.4150, 17.5434, 19.8070



105.7370, 55.8387, -36.6033



106.5250, 10.5872, 10.9406



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.



116.3540, 50.6045, 55.8175



111.1760, 70.9052, 77.8986



123.9110, 29.1309, 83.3931



102.6460, 3.6255, 3.8185



58.5920, 56.4031, 62.6248



15.4100, 15.0809, 16.3034

Inverse Universe

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



114.7910, -5.8130, 91.3913



109.1530, -7.9634, 127.9078



159.0890, -29.1309, -83.3931



102.5170, -0.7479, 6.5626



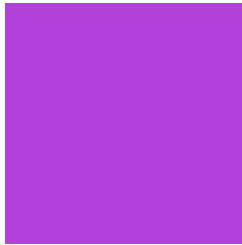
56.7430, -6.2823, 101.9574



15.1220, -1.5391, 27.0800

Previews

White Background



This preview shows how the YUV color 116.3540, 50.6045, 55.8175 looks on a white background.

Color Contrast Check

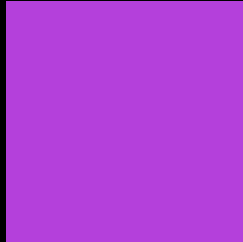
Large Text (above 18pt) WCAG AA ✓ Pass

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 116.3540, 50.6045, 55.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

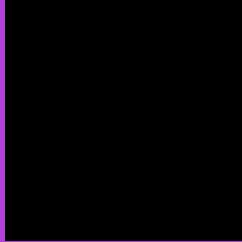
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YUV 116.3540, 50.6045, 55.8175

Background



This preview shows how black text looks on a background with the YUV color 116.3540, 50.6045, 55.8175.



This preview shows how white text looks on a background with the YUV color 116.3540, 50.6045, 55.8175.

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

116.3540, 50.6045, 55.8175

Protanopia

95.3210, 73.2987, -83.5965

Deuteranopia

108.3080, 49.6412, -55.5211



Tritanopia

120.7490, -5.7923, 37.9311

Trichromacy



Original Color

116.3540, 50.6045, 55.8175



Protanomaly

102.5770, 65.2845, -32.9550



Deuteranomaly

111.0880, 50.2426, -14.9862



Tritanomaly

119.4720, 14.5573, 44.3131

Monochromacy



Original Color

116.3540, 50.6045, 55.8175



Achromatopsia

116.0000, 0.0000, 0.0000



Achromatomaly

115.9420, 18.2696, 20.2219

CSS Examples

Text

The CSS property to change the color of the text to YUV 116.3540, 50.6045, 55.8175 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(180, 64, 219)` looks like.

```
.text, #text, p{  
    color:rgb(180, 64, 219)  
}
```

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(180, 64, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 64, 219) }
```

Border

The CSS property to change the border of an element to YUV 116.3540, 50.6045, 55.8175 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(180, 64, 219) }
```


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

```
.border{ border-color:rgb(180, 64, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 64, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 64, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 64, 219);  
box-shadow:4px 4px 4px 4px rgb(180, 64,  
219) }
```

Background

The CSS property to change the background color of an element to YUV 116.3540, 50.6045, 55.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 64, 219) }
```

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

```
.background{ background-color: rgb(180, 64,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor