

Converting Colors

YUV(94.6960, 58.3239, 6.4056)

Have a look what the booklet for
YUV(94.6960, 58.3239, 6.4056)
contains.

YUV(94.6960, 58.3239, 6.4056)	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(94.6960, 58.3239,
6.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	6644D5
RGB	102, 68, 213
RGB Percent	40%, 27%, 84%
CMY	0.6000, 0.7333, 0.1647
CMYK	0.52, 0.68, 0.00, 0.16
HSL	254°, 63%, 55%
HSV	254°, 68%, 84%
XYZ	19.5569, 11.7631, 64.1905
YIQ	94.6960, -26.2810, 52.3030

Conversions

Conversions Part 2

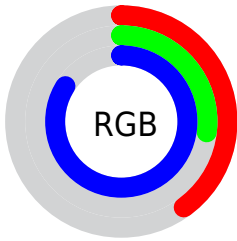
Format	Color
R_{YB}	102, 68, 213
Decimal	6702293
CIE _{Lab}	40.84, 50.19, -69.71
CIE _{LCh}	41, 85.897, 305.758
Yxy	11.7631, 0.2048, 0.1232
Android (android.graphics.Color)	4284892373 (0xFF6644D5)
YUV	94.6960, 58.3239, 6.4056
Hunter-Lab	34.2974, 41.7627, -86.9581

Details

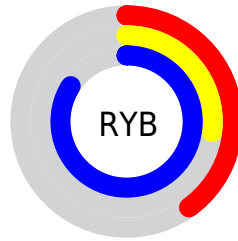
The YUV color **94.6960, 58.3239, 6.4056** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **186.3040, -58.3239, -6.4056**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.3610, 53.0660, 12.8384**, and **38.3310, 58.5038, -4.6753** is the 20% darker color. If you saturate the color by 10%, you get **77.5850, 66.7596, 7.3800**, and if you desaturate by 10%, it is **111.8070, 49.8881, 5.4313**.

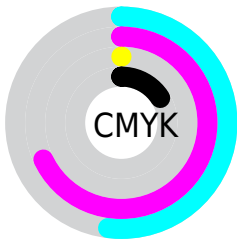
Distribution



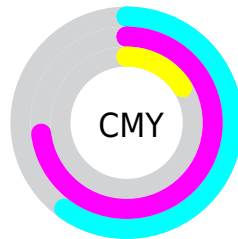
- Red (40%)
- Green (27%)
- Blue (84%)



- Red (40%)
- Yellow (27%)
- Blue (84%)



- Cyan (52%)
- Magenta (68%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (73%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YUV color 94.6960, 58.3239, 6.4056 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 94.6960, 58.3239, 6.4056 by changing the saturation by 10% instead.

■ 94.6960, 58.3239,
6.4056

■ 94.6960, 58.3239,
6.4056

255.0000, 0.0000,
0.0000

■ 68.1470, 57.6085,
2.5021

■ 147.3610, 53.0660,
12.8384

■ 38.3310, 58.5038,
-4.6753

■ 171.2940, 41.2671,
17.2822

■ 14.8200, 56.7837,
-12.9971

■ 196.1130, 29.0313,
21.8259

■ 11.8560, 45.4270,
-10.3977

■ 221.8180, 16.3587,
26.4696

■ 10.1800, 33.9283,
-8.9279

■ 239.1510, 7.8136,
13.8996

■ 9.2050, 22.5769,
-8.0728

■ 4.9360, 13.8356,

-4.3289

■ 0.5700, 2.1840,
-0.4999

■ 0.0000, 0.0000,
0.0000

■ 94.6960, 58.3239,
6.4056

■ 94.6960, 58.3239,
6.4056

■ 77.5850, 66.7596,
7.3800

■ 111.8070, 49.8881,
5.4313

■ 59.5880, 75.6321,
8.2543

■ 129.8040, 41.0156,
4.5569

■ 42.4770, 84.0678,
9.2287

■ 146.9150, 32.5799,
3.5825

■ 39.2320, 85.6676,
9.4435

■ 164.0260, 24.1442,
2.6082

■ 182.0230, 15.2717,
1.7338

■ 199.1340, 6.8359,
0.7595

■ 216.2450, -1.5998,
-0.2149

■ 233.3560,
-10.0355, -1.1892

■ 248.4180,
-17.4611, 0.5104

Harmonies

Analogous

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



87.8210, 75.0242, -77.0190



94.6960, 58.3239, 6.4056



73.3980, 40.7228, 98.7520

Triad

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



94.6960, 58.3239, 6.4056



88.3540, -43.5585, 64.5875



84.6270, 12.0159, -74.2179

Complementary

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



94.6960, 58.3239, 6.4056



186.3040, -58.3239, -6.4056

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.



73.9740, -21.1862, -64.8752



94.6960, 58.3239, 6.4056



89.2200, -43.9855, 14.7161

Square

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



94.6960, 58.3239, 6.4056



61.5100, -22.9294, 121.4557



67.2280, -33.1434, -56.3280



92.4930, 42.1550, -81.1164

Rectangle

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



94.6960, 58.3239, 6.4056



74.7320, 17.3871, 116.8760



67.2280, -33.1434, -56.3280



81.1900, 1.3853, -71.2036

Sweetspot

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



94.6960, 58.3239, 6.4056



213.4020, 20.5078, 2.2784



149.6870, 31.2133, -71.6395



102.6270, 12.5089, 1.2041



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.



94.6960, 58.3239, 6.4056



84.4770, 84.0678, 9.2287



116.2240, 47.7106, 50.6696



98.1510, 4.3626, 0.7446



31.4540, 68.7962, 7.4948



7.8920, 17.3082, 1.8487

Inverse Universe

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



124.0090, 27.1106, 78.0451



126.7310, 39.0796, 112.4919



164.7760, -47.7106, -50.6696



100.3150, 2.3097, 5.8627



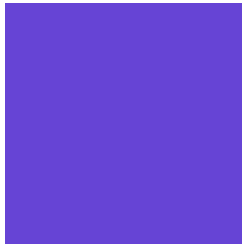
66.0630, 32.0139, 92.0297



16.6190, 8.0758, 23.1361

Previews

White Background



This preview shows how the YUV color 94.6960, 58.3239, 6.4056 looks on a white background.

Color Contrast Check

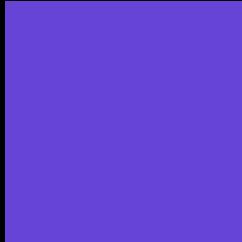
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 94.6960, 58.3239, 6.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

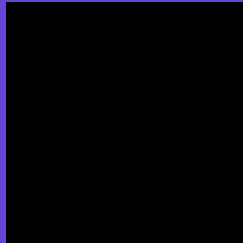
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 94.6960, 58.3239, 6.4056

Background



This preview shows how black text looks on a background with the YUV color 94.6960, 58.3239, 6.4056.



This preview shows how white text looks on a background with the YUV color 94.6960, 58.3239,

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

94.6960, 58.3239, 6.4056

Protanopia

76.9350, 58.6990, -67.4720

Deuteranopia

77.3790, 45.1692, -67.8614



Tritanopia

92.3440, 8.2114, -20.4727

Trichromacy



Original Color

94.6960, 58.3239, 6.4056

Protanomaly

83.3990, 58.4703, -40.6919

Deuteranomaly

83.8090, 49.8872, -41.0515

Tritanomaly

93.2200, 26.5135, -10.7169

Monochromacy



Original Color

94.6960, 58.3239, 6.4056

Achromatopsia

95.0000, 0.0000, 0.0000

Achromatomaly

94.9290, 21.2340, 2.6933

CSS Examples

Text

The CSS property to change the color of the text to YUV 94.6960, 58.3239, 6.4056 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(102, 68, 213)` looks like.

```
.text, #text, p{  
    color:rgb(102, 68, 213)  
}
```

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(102, 68, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 68, 213) }
```

Border

The CSS property to change the border of an element to YUV 94.6960, 58.3239, 6.4056 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(102, 68, 213) }
```


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

```
.border{ border-color:rgb(102, 68, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 68, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 68, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 68, 213);  
box-shadow:4px 4px 4px 4px rgb(102, 68,  
213) }
```

Background

The CSS property to change the background color of an element to YUV 94.6960, 58.3239, 6.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 68, 213) }
```

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

```
.background{ background-color: rgb(102, 68,  
213) }
```

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