

Converting Colors

YUV(89.7790, 55.8180, 16.8568)

Have a look what the booklet for
YUV(89.7790, 55.8180, 16.8568)
contains.

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Color

**YUV(89.7790, 55.8180,
16.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	6D3ACB
RGB	109, 58, 203
RGB Percent	43%, 23%, 80%
CMY	0.5725, 0.7725, 0.2039
CMYK	0.46, 0.71, 0.00, 0.20
HSL	261°, 58%, 51%
HSV	261°, 71%, 80%
XYZ	18.5992, 10.5891, 57.5635
YIQ	89.7790, -16.1490, 55.9070

Conversions

Conversions Part 2

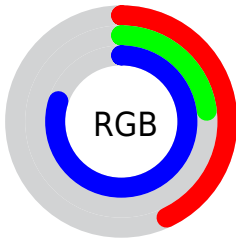
Format	Color
R_{YB}	109, 58, 203
Decimal	7158475
CIE _{Lab}	38.88, 53.73, -67.10
CIE _{LCh}	39, 85.962, 308.688
Yxy	10.5891, 0.2144, 0.1221
Android (android.graphics.Color)	4285348555 (0xFF6D3ACB)
YUV	89.7790, 55.8180, 16.8568
Hunter-Lab	32.5409, 45.0776, -82.1029

Details

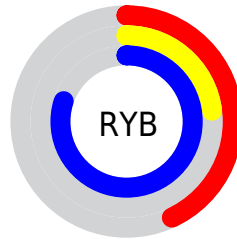
The YUV color **89.7790, 55.8180, 16.8568** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **171.2210, -55.8180, -16.8568**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.9860, 55.2229, 21.0603**, and **30.6260, 57.8654, 13.4830** is the 20% darker color. If you saturate the color by 10%, you get **74.1520, 63.5221, 19.1607**, and if you desaturate by 10%, it is **105.4060, 48.1138, 14.5529**.

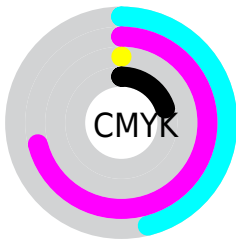
Distribution



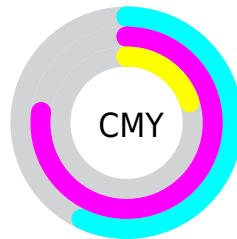
- Red (43%)
- Green (23%)
- Blue (80%)



- Red (43%)
- Yellow (23%)
- Blue (80%)



- Cyan (46%)
- Magenta (71%)
- Yellow (0%)
- Black (20%)



- Cyan (57%)
- Magenta (77%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YUV color 89.7790, 55.8180, 16.8568 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 89.7790, 55.8180, 16.8568 by changing the saturation by 10% instead.

■ 89.7790, 55.8180,
16.8568

■ 89.7790, 55.8180,
16.8568

■ 255.0000, 0.0000,
0.0000

■ 62.3550, 55.5340,
14.5977

■ 142.9860, 55.2229,
21.0603

■ 30.6260, 57.8654,
13.4830

■ 167.8050, 42.9871,
25.6040

■ 13.7940, 52.8526,
-12.0973

■ 192.6240, 30.7514,
30.1478

■ 10.8300, 41.4958,
-9.4979

■ 217.4320, 18.5210,
32.9471

■ 9.7410, 29.7077,
-8.5429

■ 233.8680, 10.4181,
18.5328

■ 7.7060, 19.3719,
-6.7582

■ 250.8910, 2.0257,

■ 3.4370, 10.6306,

3.6036

-3.0142

■ 0.0000, 0.0000,
0.0000

■ 89.7790, 55.8180,
16.8568

■ 89.7790, 55.8180,
16.8568

■ 74.1520, 63.5221,
19.1607

■ 105.4060, 48.1138,
14.5529

■ 57.9380, 71.5156,
21.9794

■ 121.6200, 40.1203,
11.7343

■ 44.3710, 78.2041,
23.3536

■ 137.2470, 32.4162,
9.4304

■ 153.1730, 24.5647,
7.7413

■ 169.3870, 16.5712,
4.9226

■ 185.0140, 8.8671,
2.6187

■ 200.6410, 1.1630,
0.3148

■ 216.2680, -6.5411,
-1.9890

■ 232.4820,
-14.5346, -4.8077

Harmonies

Analogous

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



82.9140, 73.9924, -72.7156



89.7790, 55.8180, 16.8568



71.7310, 35.6286, 99.3369

Triad

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



89.7790, 55.8180, 16.8568



85.0650, -41.9370, 57.8250



81.9200, 14.3364, -71.8438

Complementary

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



89.7790, 55.8180, 16.8568



171.2210, -55.8180, -16.8568

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.



71.4950, -17.9920, -62.7011



89.7790, 55.8180, 16.8568



84.4580, -41.6378, 8.3683

Square

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



89.7790, 55.8180, 16.8568



57.1090, -28.1547, 117.4224



63.9830, -31.5436, -56.1131



89.6720, 44.0387, -78.6423

Rectangle

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



89.7790, 55.8180, 16.8568



72.1680, 12.7352, 115.6167



63.9830, -31.5436, -56.1131



78.5970, 4.1427, -68.9296

Sweetspot

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



89.7790, 55.8180, 16.8568



212.8370, 20.7864, 6.2820



129.7080, 36.1330, -62.8879



102.9370, 12.3561, 3.5633



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.



89.7790, 55.8180, 16.8568



83.9890, 84.3084, 25.4426



111.3070, 45.2046, 61.1208



94.0370, 3.9258, 0.8446



36.2660, 63.9589, 19.0607



8.2190, 14.6820, 4.1929

Inverse Universe

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



112.0710, 19.6850, 79.7447



117.6690, 29.7432, 120.4393



149.6930, -45.2046, -61.1208



95.6740, 1.1467, 5.5479



61.8320, 22.2678, 91.3553



14.2120, 5.3185, 20.8621

Previews

White Background



This preview shows how the YUV color 89.7790, 55.8180, 16.8568 looks on a white background.

Color Contrast Check

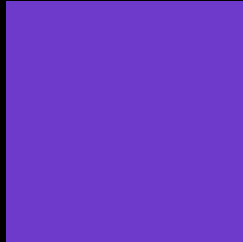
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.7790, 55.8180, 16.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

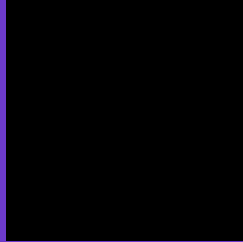
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 89.7790, 55.8180, 16.8568

Background



This preview shows how black text looks on a background with the YUV color 89.7790, 55.8180, 16.8568.



This preview shows how white text looks on a background with the YUV color 89.7790, 55.8180,

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

89.7790, 55.8180, 16.8568

Protanopia

72.9740, 56.2148, -63.9982

Deuteranopia

73.5320, 43.1217, -64.4876



Tritanopia

90.5090, 4.6791, -7.4624

Trichromacy



Original Color

89.7790, 55.8180, 16.8568

Protanomaly

79.1610, 56.1226, -34.3442

Deuteranomaly

79.5710, 47.5395, -34.7038

Tritanomaly

90.0860, 23.1286, 1.6786

Monochromacy



Original Color

89.7790, 55.8180, 16.8568

Achromatopsia

90.0000, 0.0000, 0.0000

Achromatomaly

89.7230, 20.3496, 6.3819

CSS Examples

Text

The CSS property to change the color of the text to YUV 89.7790, 55.8180, 16.8568 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(109, 58, 203)` looks like.

```
.text, #text, p{  
    color:rgb(109, 58, 203)  
}
```

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(109, 58, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 58, 203) }
```

Border

The CSS property to change the border of an element to YUV 89.7790, 55.8180, 16.8568 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(109, 58, 203) }
```


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

```
.border{ border-color:rgb(109, 58, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 58, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 58, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 58, 203);  
box-shadow:4px 4px 4px 4px rgb(109, 58,  
203) }
```

Background

The CSS property to change the background color of an element to YUV 89.7790, 55.8180, 16.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 58, 203) }
```

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

```
.background{ background-color: rgb(109, 58,  
203) }
```

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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