

# Converting Colors

YUV(56.5300, 16.5007, 27.5992)

Have a look what the booklet for  
YUV(56.5300, 16.5007, 27.5992)  
contains.

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# Color

**YUV(56.5300, 16.5007,  
27.5992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58225A
RGB	88, 34, 90
RGB Percent	35%, 13%, 35%
CMY	0.6549, 0.8667, 0.6471
CMYK	0.02, 0.62, 0.00, 0.65
HSL	298°, 45%, 24%
HSV	298°, 62%, 35%
XYZ	6.4420, 3.9569, 10.0971
YIQ	56.5300, 14.2080, 28.8640

# Conversions

## Conversions Part 2

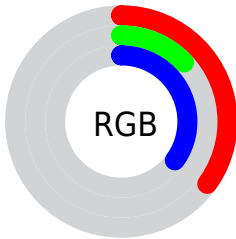
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 34, 90
Decimal	5775962
CIE <sub>Lab</sub>	23.53, 33.48, -22.37
CIE <sub>LCh</sub>	24, 40.266, 326.244
Yxy	3.9569, 0.3143, 0.1931
Android (android.graphics.Color)	4283966042 (0xFF58225A)
YUV	56.5300, 16.5007, 27.5992
Hunter-Lab	19.8921, 22.9956, -16.1708

# Details

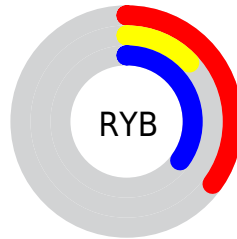
The YUV color **56.5300, 16.5007, 27.5992** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **67.4700, -16.5007, -27.5992**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **105.9540, 16.7847, 29.8583**, and **17.2750, 13.1754, 20.8068** is the 20% darker color. If you saturate the color by 10%, you get **51.2470, 19.1052, 32.2324**, and if you desaturate by 10%, it is **61.8130, 13.8962, 22.9660**.

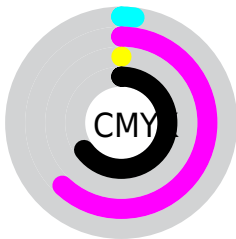
# Distribution



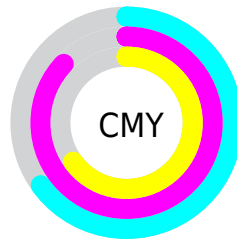
- Red (35%)
- Green (13%)
- Blue (35%)



- Red (35%)
- Yellow (13%)
- Blue (35%)



- Cyan (2%)
- Magenta (62%)
- Yellow (0%)
- Black (65%)



- Cyan (65%)
- Magenta (87%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.5300, 16.5007, 27.5992 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 56.5300, 16.5007, 27.5992 by changing the saturation by 10% instead.



■ 56.5300, 16.5007,  
27.5992

■ 56.5300, 16.5007,  
27.5992

■ 255.0000, 0.0000,  
0.0000

■ 31.0570, 17.2269,  
28.0140

■ 105.9540, 16.7847,  
29.8583

■ 17.2750, 13.1754,  
20.8068

■ 131.7800, 17.3635,  
30.8879

■ 3.2200, 9.7515,  
-1.0699

■ 158.1930, 17.6529,  
31.4027

■ 0.0000, 0.0000,  
0.0000


■ 185.9050, 17.7948,  
32.5323


■ 213.7310, 18.3736,  
33.5619


■ 231.5200, 11.5756,


20.5920


 248.5430, 3.1833,  
5.6628


 56.5300, 16.5007,  
27.5992


 56.5300, 16.5007,  
27.5992


 51.2470, 19.1052,  
32.2324


 61.8130, 13.8962,  
22.9660


 45.6650, 21.8572,  
36.2508


 67.3950, 11.1443,  
18.9476

 40.3820, 24.4617,  
40.8840

 72.6780, 8.5397,  
14.3144

 36.2730, 26.4874,  
44.4876

 77.9610, 5.9352,  
9.6812

 83.5430, 3.1833,  
5.6628

■ 88.8260, 0.5788,  
1.0296

■ 94.1090, -2.0257,  
-3.6036

■ 99.6910, -4.7777,  
-7.6220

■ 104.9740, -7.3822,  
-12.2552

# Harmonies

## Analogous

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



55.4590, 27.3817, -9.1725



56.5300, 16.5007, 27.5992



50.9750, 4.9423, 48.2569

# Triad

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



56.5300, 16.5007, 27.5992



52.9380, -26.0984, 17.5944



49.8510, 15.8495, -43.7193

# Complementary

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



56.5300, 16.5007, 27.5992



67.4700, -16.5007, -27.5992

# 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.



46.3170, 2.3087, -40.6200



56.5300, 16.5007, 27.5992



49.5500, -24.4281, -4.8673

# Square

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



56.5300, 16.5007, 27.5992



51.7000, -24.9951, 37.0971



41.6090, -10.6532, -36.4911



51.4130, 26.9114, -45.0892



# Rectangle

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



56.5300, 16.5007, 27.5992



50.1790, -4.5252, 51.5860



41.6090, -10.6532, -36.4911



48.7110, 11.4815, -42.7195

# Sweetspot

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



56.5300, 16.5007, 27.5992



104.0860, 6.3666, 11.3256



42.1450, 23.5925, -7.1432



50.4830, 4.1989, 6.5924



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



56.5300, 16.5007, 27.5992



64.4470, 25.9086, 43.4580



54.2780, 5.2859, 31.3282



43.0650, 1.4470, 2.5740



44.2340, 32.4226, 54.1688



95.4890, 69.7649, 117.0891



# Inverse Universe

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



50.9720, -7.3812, 34.2276



55.6540, -11.6614, 53.8004



69.7220, -5.2859, -31.3282



42.4950, -0.7370, 3.0739



33.3460, -14.4676, 67.2256

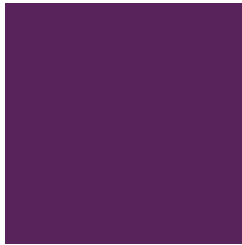


71.7750, -31.4411, 144.9023



# Previews

## White Background



This preview shows how the YUV color 56.5300, 16.5007, 27.5992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

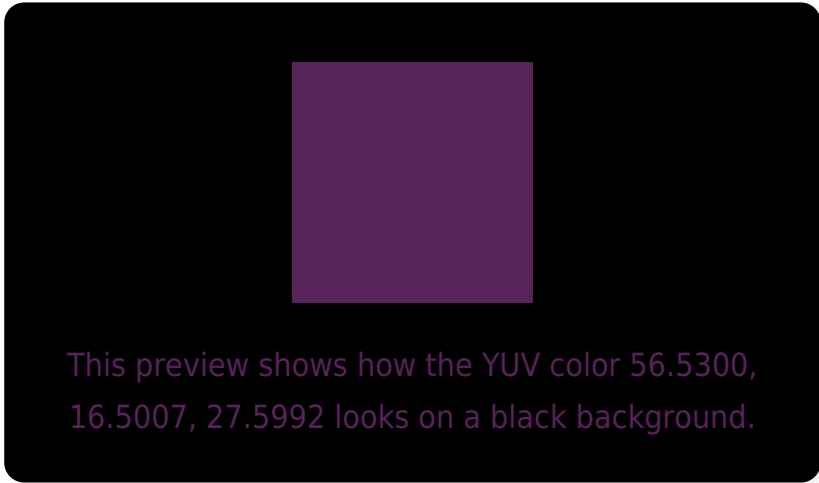
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

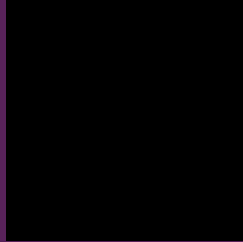
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 56.5300, 16.5007, 27.5992

## Background



This preview shows how black text looks on a background with the YUV color 56.5300, 16.5007, 27.5992.



This preview shows how white text looks on a background with the YUV color 56.5300, 16.5007,



# 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

56.5300, 16.5007, 27.5992

### Protanopia

52.5990, 28.2987, -23.3273

### Deuteranopia

56.1200, 14.7308, -11.5062



## Tritanopia

57.4050, -4.1437, 22.4468

# Trichromacy



## Original Color

56.5300, 16.5007, 27.5992

## Protanomaly

53.9820, 24.1659, -4.3692

## Deuteranomaly

56.3220, 15.1243, 2.3486

## Tritanomaly

57.3650, 3.2711, 24.2359

# Monochromacy



## Original Color

56.5300, 16.5007, 27.5992

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

56.9610, 5.9352, 9.6812

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.5300, 16.5007, 27.5992 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(88, 34, 90)` looks like.

```
.text, #text, p{  
    color:rgb(88, 34, 90)  
}
```

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(88, 34, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 34, 90) }
```

## Border

The CSS property to change the border of an element to YUV 56.5300, 16.5007, 27.5992 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(88, 34, 90) }
```



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

```
.border{ border-color:rgb(88, 34, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 34, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 34, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 34, 90);  
box-shadow:4px 4px 4px 4px rgb(88, 34, 90)  
}
```

# Background

The CSS property to change the background color of an element to YUV 56.5300, 16.5007, 27.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 34, 90) }
```

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

```
.background{ background-color: rgb(88, 34,  
90) }
```

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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