

# Converting Colors

YUV(107.6710, 56.3642,  
28.3525)

Have a look what the booklet for  
YUV(107.6710, 56.3642, 28.3525)  
contains.

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# Color

**YUV(107.6710, 56.3642,  
28.3525)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C45DE
RGB	140, 69, 222
RGB Percent	55%, 27%, 87%
CMY	0.4510, 0.7294, 0.1294
CMYK	0.37, 0.69, 0.00, 0.13
HSL	268°, 70%, 57%
HSV	268°, 69%, 87%
XYZ	26.1282, 15.1056, 70.6458
YIQ	107.6710, -6.7970, 62.6350

# Conversions

## Conversions Part 2

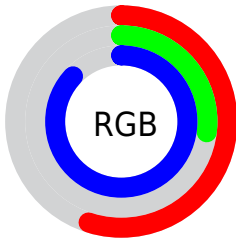
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 69, 222
Decimal	9192926
CIE <sub>Lab</sub>	45.78, 58.82, -66.63
CIE <sub>LCh</sub>	46, 88.878, 311.439
Yxy	15.1056, 0.2335, 0.1350
Android (android.graphics.Color)	4287383006 (0xFF8C45DE)
YUV	107.6710, 56.3642, 28.3525
Hunter-Lab	38.8659, 51.9836, -80.5640

# Details

The YUV color **107.6710, 56.3642, 28.3525** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **183.3290, -56.3642, -28.3525**, and the grayscale version is **107.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.1850, 46.7438, 34.0408**, and **47.2520, 58.5428, 29.5970** is the 20% darker color. If you saturate the color by 10%, you get **91.1690, 64.4997, 32.3008**, and if you desaturate by 10%, it is **124.1730, 48.2287, 24.4043**.

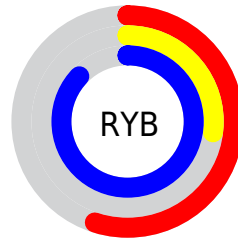
# Distribution



Red (55%)

Green (27%)

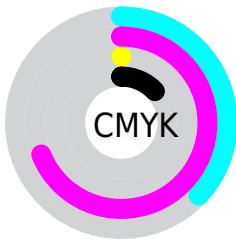
Blue (87%)



Red (55%)

Yellow (27%)

Blue (87%)

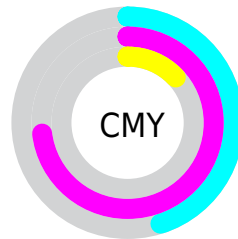


Cyan (37%)

Magenta (69%)

Yellow (0%)

Black (13%)



Cyan (45%)

Magenta (73%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 107.6710, 56.3642, 28.3525 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 107.6710, 56.3642, 28.3525 by changing the saturation by 10% instead.





 107.6710, 56.3642,  
28.3525


 107.6710, 56.3642,  
28.3525


255.0000, 0.0000,  
0.0000


 79.9590, 56.2222,  
27.2230


 160.1850, 46.7438,  
34.0408


 47.2520, 58.5428,  
29.5970


 184.7050, 34.6554,  
37.9697

 30.7960, 53.3446,  
16.8419


 209.2140, 22.5725,  
40.1543

 13.9640, 48.3317,  
-8.7384

 225.6500, 14.4696,  
25.7400

 9.9180, 38.0014,  
-8.6981

 242.6730, 6.0772,  
10.8108

 10.5900, 25.3451,  
-9.2874

 6.3210, 16.6037,

-5.5435

■ 2.5250, 7.1362,  
-2.2144

■ 0.0000, 0.0000,  
0.0000

■ 107.6710, 56.3642,  
28.3525

■ 107.6710, 56.3642,  
28.3525

■ 91.1690, 64.4997,  
32.3008

■ 124.1730, 48.2287,  
24.4043

■ 74.6670, 72.6352,  
36.2490

■ 140.6750, 40.0932,  
20.4560

■ 57.5780, 81.0600,  
40.7121

■ 157.7640, 31.6683,  
15.9930

■ 56.1050, 81.7862,  
41.1269

■ 174.2660, 23.5329,  
12.0447

■ 190.4690, 15.5448,  
7.4817

■ 206.9710, 7.4093,  
3.5334

■ 223.4730, -0.7262,  
-0.4148

■ 240.5620, -9.1511,  
-4.8779

■ 248.8460,  
-13.2351, -1.6189

# Harmonies

## Analogous

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



93.6400, 79.5505, -82.1223



107.6710, 56.3642, 28.3525



81.6990, 37.6164, 115.1510

# Triad

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



107.6710, 56.3642, 28.3525



101.6000, -50.0888, 59.1098



95.9230, 19.7580, -84.1245

# Complementary

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



107.6710, 56.3642, 28.3525



183.3290, -56.3642, -28.3525

# 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.



85.7430, -14.1703, -75.1966



107.6710, 56.3642, 28.3525



99.4980, -49.0525, 6.5793

# Square

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



107.6710, 56.3642, 28.3525



81.1230, -39.5006, 116.5331



75.7230, -37.3314, -66.4091



104.0170, 50.7706, -91.2229



# Rectangle

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



107.6710, 56.3642, 28.3525



81.0820, 13.2706, 130.6011



75.7230, -37.3314, -66.4091



92.9590, 8.4012, -81.5250

# Sweetspot

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



107.6710, 56.3642, 28.3525



214.6310, 19.9019, 9.9706



135.7500, 42.5213, -58.5397



103.8340, 11.9138, 5.4076



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.



107.6710, 56.3642, 28.3525



96.7690, 78.0079, 39.6676



129.7970, 45.4561, 73.8460



103.7490, 4.0677, 1.9741



44.5820, 64.7891, 32.8156



12.0500, 17.7233, 8.7261



# Inverse Universe

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



124.0950, 13.2642, 85.8627



119.3840, 18.5447, 118.9352



161.2030, -45.4561, -73.8460



104.9730, 0.9993, 6.1627



63.3400, 15.1154, 98.8028

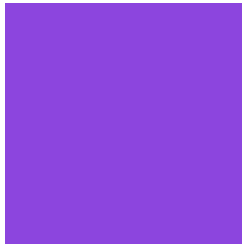


17.3160, 4.2812, 26.9099



# Previews

## White Background



This preview shows how the YUV color 107.6710, 56.3642, 28.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

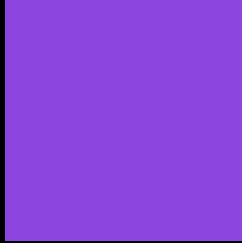
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 107.6710, 56.3642, 28.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

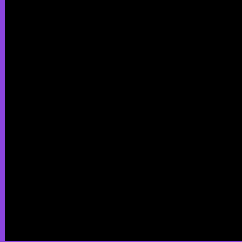
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# YUV 107.6710, 56.3642, 28.3525

## Background



This preview shows how black text looks on a background with the YUV color 107.6710, 56.3642, 28.3525.



This preview shows how white text looks on a background with the YUV color 107.6710, 56.3642, 28.3525.



# 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

107.6710, 56.3642, 28.3525

### Protanopia

86.8290, 66.1463, -76.1490

### Deuteranopia

87.1590, 52.1796, -76.4384



## Tritanopia

109.5000, 1.7255, 6.5775

# Trichromacy



## Original Color

107.6710, 56.3642, 28.3525



## Protanomaly

94.4470, 62.3906, -38.1030



## Deuteranomaly

94.8570, 53.8075, -38.4626



## Tritanomaly

108.8210, 21.7802, 14.1890

# Monochromacy



## Original Color

107.6710, 56.3642, 28.3525



## Achromatopsia

108.0000, 0.0000, 0.0000



## Achromatomaly

108.0440, 20.1913, 10.4854

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 107.6710, 56.3642, 28.3525 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(140, 69, 222)` looks like.

```
.text, #text, p{  
    color:rgb(140, 69, 222)  
}
```

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(140, 69, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 69, 222) }
```

## Border

The CSS property to change the border of an element to YUV 107.6710, 56.3642, 28.3525 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(140, 69, 222) }
```



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

```
.border{ border-color:rgb(140, 69, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 69, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 69, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 69, 222);  
box-shadow:4px 4px 4px 4px rgb(140, 69,  
222) }
```

# Background

The CSS property to change the background color of an element to YUV 107.6710, 56.3642, 28.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 69, 222) }
```

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

```
.background{ background-color: rgb(140, 69,  
222) }
```

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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