

# Converting Colors

YUV(35.6280, 4.6204, 58.2082)

Have a look what the booklet for  
YUV(35.6280, 4.6204, 58.2082)  
contains.

<b>YUV(35.6280, 4.6204, 58.2082)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(35.6280, 4.6204,  
58.2082)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66002D
RGB	102, 0, 45
RGB Percent	40%, 0%, 18%
CMY	0.6000, 1.0000, 0.8235
CMYK	0.00, 1.00, 0.56, 0.60
HSL	334°, 100%, 20%
HSV	334°, 100%, 40%
XYZ	5.9531, 3.0142, 2.7507
YIQ	35.6280, 46.3470, 35.6190

# Conversions

## Conversions Part 2

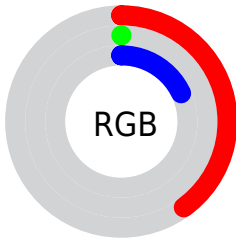
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 0, 45
Decimal	6684717
CIE <sub>Lab</sub>	20.10, 42.96, 3.56
CIE <sub>LCh</sub>	20, 43.107, 4.735
Yxy	3.0142, 0.5080, 0.2572
Android (android.graphics.Color)	4284874797 (0xFF66002D)
YUV	35.6280, 4.6204, 58.2082
Hunter-Lab	17.3616, 30.8235, 2.7595

# Details

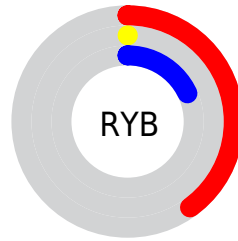
The YUV color **35.6280, 4.6204, 58.2082** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **66.3720, -4.6204, -58.2082**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.3090, -1.6313, 56.7340**, and **15.7760, -6.7916, 31.7684** is the 20% darker color. If you saturate the color by 10%, you get **35.6280, 4.6204, 58.2082**, and if you desaturate by 10%, it is **42.1820, 4.3473, 52.4604**.

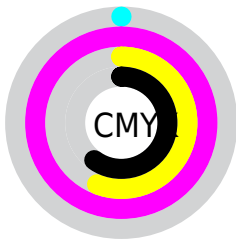
# Distribution



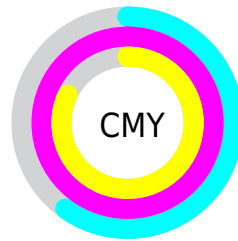
- Red (40%)
- Green (0%)
- Blue (18%)



- Red (40%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 35.6280, 4.6204, 58.2082 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 35.6280, 4.6204, 58.2082 by changing the saturation by 10% instead.



35.6280, 4.6204,  
58.2082

35.6280, 4.6204,  
58.2082

253.8260, 0.5788,  
1.0296

25.2750, -0.1356,  
43.6088

93.3090, -1.6313,  
56.7340

15.7760, -6.7916,  
31.7684

119.7930, -2.3629,  
58.0635

0.2990, -0.1474,  
0.6148

146.5760, -3.2420,  
60.0078

0.0000, 0.0000,  
0.0000


174.4730, -3.6842,  
61.8522


196.3900, -1.1783,  
51.4010


216.0180, 2.9491,

34.1872


 235.6460, 7.0765,  
16.9735


 35.6280, 4.6204,  
58.2082

 42.1820, 4.3473,  
52.4604

 48.6220, 3.6374,  
46.8125

 55.7630, 3.0748,  
40.5498

 62.3170, 2.8017,  
34.8020

 68.8710, 2.5286,  
29.0541

■ 75.3110, 1.8187,  
23.4063

■ 81.8650, 1.5456,  
17.6584

■ 89.0060, 0.9830,  
11.3957

■ 95.4460, 0.2731,  
5.7479

# Harmonies

## Analogous

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



44.6670, 15.4472, 38.8800



35.6280, 4.6204, 58.2082



40.8770, -13.2504, 50.0969

# Triad

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



35.6280, 4.6204, 58.2082



40.0480, -19.7437, -14.0741



46.7170, 29.2265, -40.9708

# Complementary

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



35.6280, 4.6204, 58.2082



66.3720, -4.6204, -58.2082

# 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.



45.9700, 18.7488, -40.3157



35.6280, 4.6204, 58.2082



37.3860, -9.0643, -32.7875

# Square

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



35.6280, 4.6204, 58.2082



45.8060, -22.5824, 9.8171



42.4360, 5.2081, -37.2164



42.7050, 34.1624, -37.4523



# Rectangle

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



35.6280, 4.6204, 58.2082



43.9220, -21.6535, 38.6564



42.4360, 5.2081, -37.2164



46.6200, 26.3163, -40.8857

# Sweetspot

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



35.6280, 4.6204, 58.2082



106.8980, 1.5293, 22.8915



28.3720, 36.2986, 24.2298



50.4300, 1.2670, 13.6549



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



35.6280, 4.6204, 58.2082



46.4930, 6.1660, 75.8666



33.4330, -16.4825, 60.1333



47.7230, 0.1366, 2.8739



40.1990, 5.3249, 65.6005



84.5560, 11.0649, 138.0784



# Inverse Universe

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



35.6280, 4.6204, 58.2082



46.4930, 6.1660, 75.8666



68.5670, 16.4825, -60.1333



47.7230, 0.1366, 2.8739



40.1990, 5.3249, 65.6005

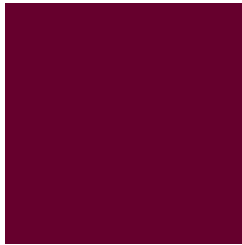


84.5560, 11.0649, 138.0784



# Previews

## White Background



This preview shows how the YUV color 35.6280, 4.6204, 58.2082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

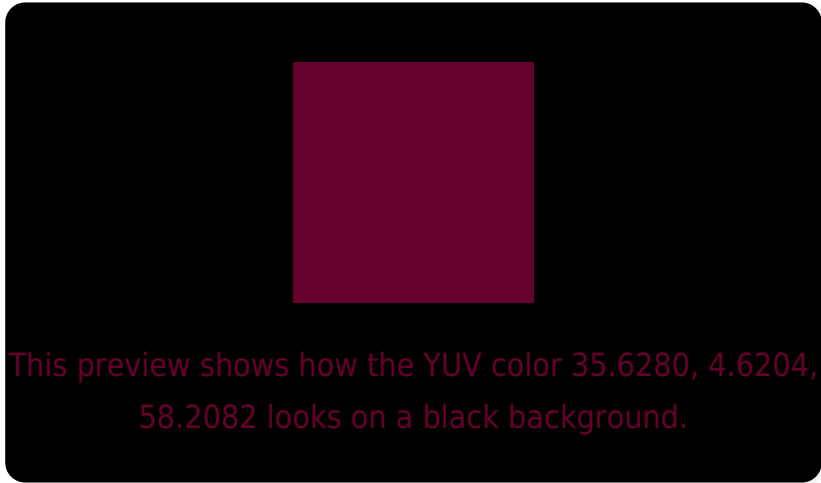
Any Text WCAG AA ✓ Pass

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

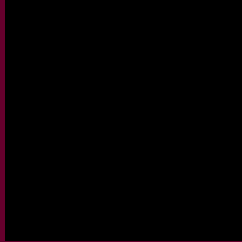
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 35.6280, 4.6204, 58.2082

## Background



This preview shows how black text looks on a background with the YUV color 35.6280, 4.6204, 58.2082.



This preview shows how white text looks on a background with the YUV color 35.6280, 4.6204,



# 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

35.6280, 4.6204, 58.2082

### Protanopia

52.8840, 5.9732, -2.5293

### Deuteranopia

53.1490, -5.9895, 7.7623



## Tritanopia

42.7030, -12.6716, 51.1265

# Trichromacy



## Original Color

35.6280, 4.6204, 58.2082

## Protanomaly

46.6140, 5.6133, 19.6325

## Deuteranomaly

46.5950, -2.2653, 26.6652

## Tritanomaly

39.7340, -6.2779, 53.7303

# Monochromacy



## Original Color

35.6280, 4.6204, 58.2082

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

35.8870, 1.5347, 21.1471

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.6280, 4.6204, 58.2082 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, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 45)  
}
```

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, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 45) }
```

## Border

The CSS property to change the border of an element to YUV 35.6280, 4.6204, 58.2082 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, 0, 45) }
```



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

```
.border{ border-color:rgb(102, 0, 45) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(102, 0, 45)  
}
```

# Background

The CSS property to change the background color of an element to YUV 35.6280, 4.6204, 58.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 45) }
```

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

```
.background{ background-color: rgb(102, 0,  
45) }
```

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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