

# Converting Colors

YUV(30.1600, 4.3581, 48.9717)

Have a look what the booklet for  
YUV(30.1600, 4.3581, 48.9717)  
contains.

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# Color

**YUV(30.1600, 4.3581,  
48.9717)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	560027
RGB	86, 0, 39
RGB Percent	34%, 0%, 15%
CMY	0.6627, 1.0000, 0.8471
CMYK	0.00, 1.00, 0.55, 0.66
HSL	333°, 100%, 17%
HSV	333°, 100%, 34%
XYZ	4.2040, 2.1249, 2.1080
YIQ	30.1600, 38.7370, 30.3610

# Conversions

## Conversions Part 2

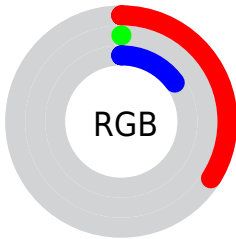
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 0, 39
Decimal	5636135
CIE <sub>Lab</sub>	16.13, 38.34, 1.69
CIE <sub>LCh</sub>	16, 38.373, 2.528
Yxy	2.1249, 0.4983, 0.2519
Android (android.graphics.Color)	4283826215 (0xFF560027)
YUV	30.1600, 4.3581, 48.9717
Hunter-Lab	14.5771, 25.9686, 1.6299

# Details

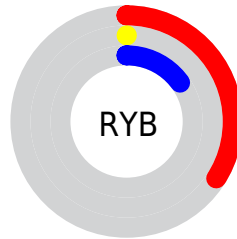
The YUV color **30.1600, 4.3581, 48.9717** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **55.8400, -4.3581, -48.9717**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.3080, -0.1518, 48.8419**, and **10.5790, -4.7224, 21.4172** is the 20% darker color. If you saturate the color by 10%, you get **30.1600, 4.3581, 48.9717**, and if you desaturate by 10%, it is **36.0130, 3.9376, 43.8386**.

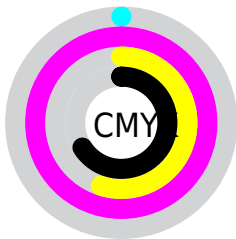
# Distribution



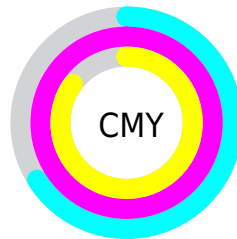
- Red (34%)
- Green (0%)
- Blue (15%)



- Red (34%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.1600, 4.3581, 48.9717 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 30.1600, 4.3581, 48.9717 by changing the saturation by 10% instead.



■ 30.1600, 4.3581,  
48.9717

■ 30.1600, 4.3581,  
48.9717

■ 249.1300, 2.8939,  
5.1480

■ 19.9920, -0.9821,  
35.0870

■ 84.3080, -0.1518,  
48.8419

■ 10.5790, -4.7224,  
21.4172

■ 110.6780, -1.3203,  
50.2714

■ 0.0000, 0.0000,  
0.0000

■ 136.5750, -1.7625,  
52.1157


■ 163.4720, -2.2047,  
53.9601


■ 191.3690, -2.6469,  
55.8044


■ 210.9970, 1.4805,


38.5906


 230.6250, 5.6079,  
21.3769


 30.1600, 4.3581,  
48.9717

 36.0130, 3.9376,  
43.8386

 41.1650, 3.3697,  
39.3203

 47.0180, 2.9491,  
34.1872

 52.2840, 2.8180,  
29.5689

 58.1370, 2.3975,  
24.4359

■ 63.8760, 1.5401,  
19.4027

■ 69.1420, 1.4090,  
14.7845

■ 74.9950, 0.9885,  
9.6514

■ 80.1470, 0.4205,  
5.1331

# Harmonies

## Analogous

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



37.5690, 14.0165, 31.0730



30.1600, 4.3581, 48.9717



32.7130, -11.1975, 44.9787

# Triad

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



30.1600, 4.3581, 48.9717



33.2810, -16.4075, -10.7704



38.9090, 24.6949, -34.1232

# Complementary

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



30.1600, 4.3581, 48.9717



55.8400, -4.3581, -48.9717

# 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.



37.8030, 15.3801, -33.1532



30.1600, 4.3581, 48.9717



30.7180, -9.2280, -26.9397

# Square

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



30.1600, 4.3581, 48.9717



38.1310, -18.7986, 9.5321



34.7250, 3.5866, -30.4538



36.0710, 29.0520, -31.6343



# Rectangle

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



30.1600, 4.3581, 48.9717



36.2250, -17.8589, 34.8827



34.7250, 3.5866, -30.4538



38.8120, 21.7847, -34.0381

# Sweetspot

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



30.1600, 4.3581, 48.9717



90.5770, 1.6875, 18.7880



23.5580, 30.7839, 19.6816



43.0060, 0.9830, 11.3957



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



30.1600, 4.3581, 48.9717



39.3020, 5.7671, 63.7561



27.4750, -13.5452, 51.3264



40.4240, 0.2840, 2.2592



37.5790, 5.6306, 60.8822



82.3490, 11.6599, 133.8749



# Inverse Universe

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



30.1600, 4.3581, 48.9717



39.3020, 5.7671, 63.7561



58.5250, 13.5452, -51.3264



40.4240, 0.2840, 2.2592



37.5790, 5.6306, 60.8822

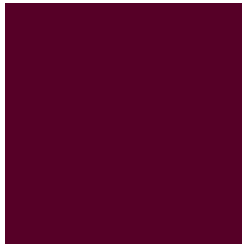


82.3490, 11.6599, 133.8749



# Previews

## White Background



This preview shows how the YUV color 30.1600, 4.3581, 48.9717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

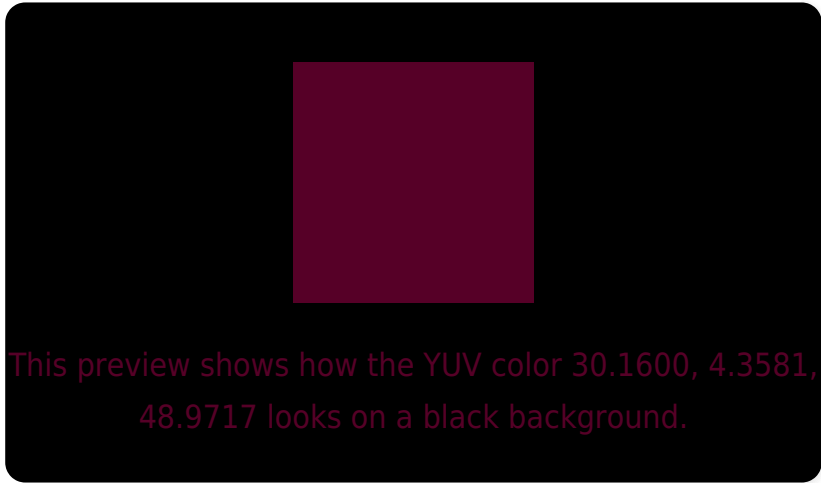
Any Text WCAG AA ✓ Pass

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

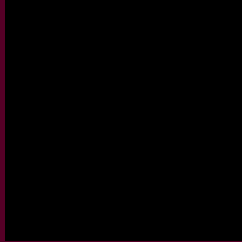
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 30.1600, 4.3581, 48.9717

## Background



This preview shows how black text looks on a background with the YUV color 30.1600, 4.3581, 48.9717.



This preview shows how white text looks on a background with the YUV color 30.1600, 4.3581,



# 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

30.1600, 4.3581, 48.9717

### Protanopia

44.5850, 6.1206, -3.1440

### Deuteranopia

44.7790, -4.8210, 6.3328



## Tritanopia

36.5170, -10.6079, 42.5196

# Trichromacy



## Original Color

30.1600, 4.3581, 48.9717

## Protanomaly

39.1790, 5.3348, 15.6290

## Deuteranomaly

39.0890, -1.5229, 21.8469

## Tritanomaly

34.0210, -4.9404, 44.7086

# Monochromacy



## Original Color

30.1600, 4.3581, 48.9717

## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

29.8650, 1.5456, 17.6584

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.1600, 4.3581, 48.9717 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(86, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 39)  
}
```

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(86, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 39) }
```

## Border

The CSS property to change the border of an element to YUV 30.1600, 4.3581, 48.9717 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(86, 0, 39) }
```



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

```
.border{ border-color:rgb(86, 0, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 39); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 39); box-shadow:4px  
4px 4px 4px rgb(86, 0, 39) }
```

# Background

The CSS property to change the background color of an element to YUV 30.1600, 4.3581, 48.9717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 39) }
```

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

```
.background{ background-color: rgb(86, 0,  
39) }
```

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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