

# Converting Colors

YUV(40.1230, -19.7806,  
44.6191)

Have a look what the booklet for  
YUV(40.1230, -19.7806, 44.6191)  
contains.

<b>YUV(40.1230, -19.7806, 44.6191)</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(40.1230, -19.7806,  
44.6191)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B1600
RGB	91, 22, 0
RGB Percent	36%, 9%, 0%
CMY	0.6431, 0.9137, 1.0000
CMYK	0.00, 0.76, 1.00, 0.64
HSL	15°, 100%, 18%
HSV	15°, 100%, 36%
XYZ	4.6013, 2.7980, 0.2975
YIQ	40.1230, 48.1860, 7.7860

# Conversions

## Conversions Part 2

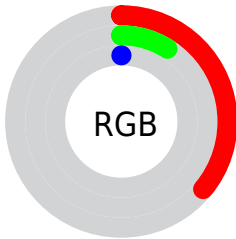
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 29, 0
Decimal	5969408
CIE <sub>Lab</sub>	19.22, 30.44, 28.87
CIE <sub>LCh</sub>	19, 41.954, 43.492
Yxy	2.7980, 0.5978, 0.3635
Android (android.graphics.Color)	4284159488 (0xFF5B1600)
YUV	40.1230, -19.7806, 44.6191
Hunter-Lab	16.7271, 19.8293, 10.6543

# Details

The YUV color **40.1230, -19.7806, 44.6191** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **50.8770, 19.7806, -44.6191**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **90.4010, -21.3967, 49.6373**, and **12.0740, -5.4595, 24.4911** is the 20% darker color. If you saturate the color by 10%, you get **40.1230, -19.7806, 44.6191**, and if you desaturate by 10%, it is **45.2580, -17.8752, 40.1157**.

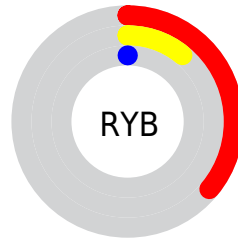
# Distribution



Red (36%)

Green (9%)

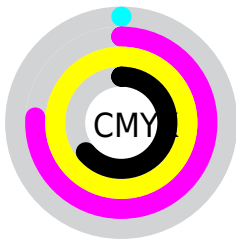
Blue (0%)



Red (36%)

Yellow (11%)

Blue (0%)

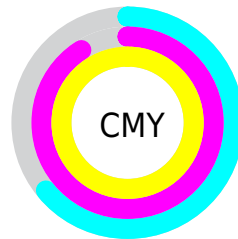


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (64%)



Cyan (64%)

Magenta (91%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 40.1230, -19.7806, 44.6191 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 40.1230, -19.7806, 44.6191 by changing the saturation by 10% instead.





 40.1230, -19.7806,  
44.6191


 40.1230, -19.7806,  
44.6191

 251.6940,  
-12.6671, 2.8994


 19.1360, -9.4340,  
39.3457


 90.4010, -21.3967,  
49.6373


 12.0740, -5.4595,  
24.4911

 116.3690,  
-22.8599, 52.2964

 0.0000, 0.0000,  
0.0000


 142.3370,  
-24.3231, 54.9555


 169.4190,  
-25.3496, 57.5145


 194.2120,  
-24.7545, 53.3111


 213.7260,


-21.0639, 36.1973


 233.2400,  
-17.3733, 19.0835


 40.1230, -19.7806,  
44.6191

 45.2580, -17.8752,  
40.1157

 50.3930, -15.9697,  
35.6123

 55.5280, -14.0643,  
31.1089

 60.6630, -12.1589,  
26.6055

 65.9120, -9.8166,  
22.0022

■ 70.4600, -7.6218,  
18.0136

■ 75.5950, -5.7163,  
13.5102

■ 80.7300, -3.8109,  
9.0068

■ 85.8650, -1.9054,  
4.5034

# Harmonies

## Analogous

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



34.6510, -0.3209, 56.4341



40.1230, -19.7806, 44.6191



44.4210, -21.8996, 24.1868

# Triad

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



40.1230, -19.7806, 44.6191



37.2380, -4.5543, -32.6577



39.2000, 33.4254, -34.3784

# Complementary

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



40.1230, -19.7806, 44.6191



50.8770, 19.7806, -44.6191

# 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.



44.3690, 30.3841, -38.9116



40.1230, -19.7806, 44.6191



41.4730, 9.1338, -36.3718

# Square

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



40.1230, -19.7806, 44.6191



34.6660, -17.0903, -25.1401



44.6650, 21.3642, -39.1712



47.1200, 21.6328, 14.8038



# Rectangle

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



40.1230, -19.7806, 44.6191



44.3330, -21.8562, 10.2320



44.6650, 21.3642, -39.1712



41.6620, 32.7046, -36.5376

# Sweetspot

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



40.1230, -19.7806, 44.6191



97.7480, -7.7638, 16.8840



35.1890, 17.1618, 48.9462



47.2140, -4.5425, 10.3363



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.



40.1230, -19.7806, 44.6191



51.4190, -25.3496, 57.5145



66.5380, -32.8032, 21.4532



43.0820, -1.0264, 2.5591



48.7390, -24.0283, 53.7259



104.3220, -51.4307, 116.3586



# Inverse Universe

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



50.8770, 19.7806, -44.6191



65.5810, 25.3496, -57.5145



24.4620, 32.8032, -21.4532



43.9180, 1.0264, -2.5591



61.2610, 24.0283, -53.7259

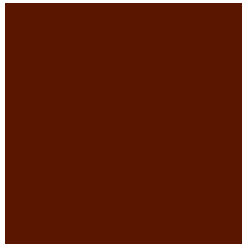


132.6780, 51.4307, -116.3586



# Previews

## White Background



This preview shows how the YUV color 40.1230, -19.7806, 44.6191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

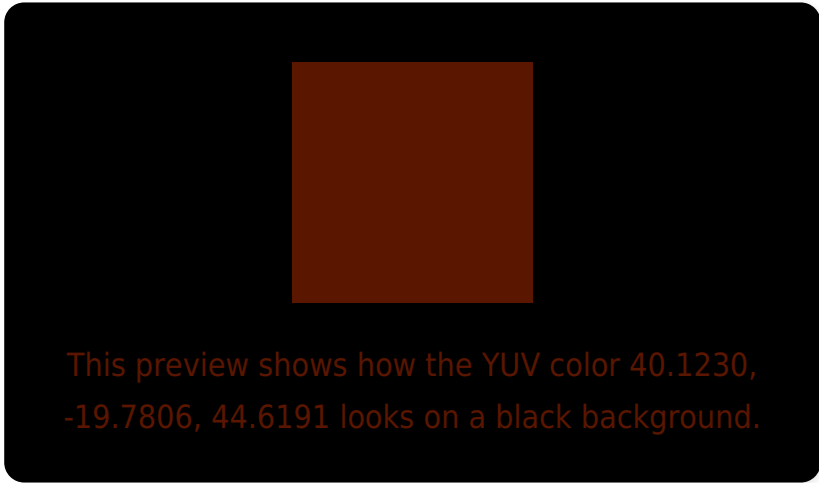
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

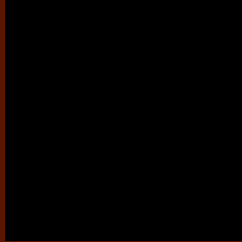
Any Text WCAG AA × Fail

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 40.1230, -19.7806, 44.6191 Background



This preview shows how black text looks on a background with the YUV color 40.1230, -19.7806, 44.6191.



This preview shows how white text looks on a background with the YUV color 40.1230, -19.7806,



# 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

40.1230, -19.7806, 44.6191

### Protanopia

46.4620, -17.4828, 7.4878

### Deuteranopia

45.2410, -22.3038, 13.8206



## Tritanopia

41.9300, -10.3185, 43.0344

# Trichromacy



## Original Color

40.1230, -19.7806, 44.6191

## Protanomaly

44.0230, -18.2523, 21.0278

## Deuteranomaly

43.2470, -21.3208, 25.2164

## Tritanomaly

41.0180, -13.8129, 43.8342

# Monochromacy



## Original Color

40.1230, -19.7806, 44.6191

## Achromatopsia

40.0000, 0.0000, 0.0000

## Achromatomaly

39.8620, -7.3270, 16.7840

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.1230, -19.7806, 44.6191 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(91, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 22, 0)  
}
```

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(91, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 22, 0) }
```

## Border

The CSS property to change the border of an element to YUV 40.1230, -19.7806, 44.6191 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(91, 22, 0) }
```



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

```
.border{ border-color:rgb(91, 22, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 22, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 22, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 22, 0); box-shadow:4px  
4px 4px 4px rgb(91, 22, 0) }
```

# Background

The CSS property to change the background color of an element to YUV 40.1230, -19.7806, 44.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 22, 0) }
```

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

```
.background{ background-color: rgb(91, 22,  
0) }
```

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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