

# Converting Colors

YUV(18.0230, 1.9607, 24.5358)

Have a look what the booklet for  
YUV(18.0230, 1.9607, 24.5358)  
contains.

<b>YUV(18.0230, 1.9607, 24.5358)</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(18.0230, 1.9607,  
24.5358)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E0316
RGB	46, 3, 22
RGB Percent	18%, 1%, 9%
CMY	0.8196, 0.9882, 0.9137
CMYK	0.00, 0.93, 0.52, 0.82
HSL	333°, 88%, 10%
HSV	333°, 93%, 18%
XYZ	1.3041, 0.7039, 0.8262
YIQ	18.0230, 19.5290, 15.0250

# Conversions

## Conversions Part 2

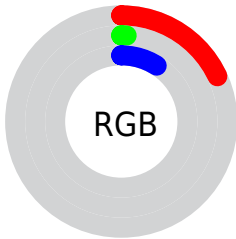
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 3, 22
Decimal	3015446
CIE Lab	6.36, 23.33, -0.85
CIE LCh	6, 23.344, 357.901
Yxy	0.7039, 0.4601, 0.2484
Android (android.graphics.Color)	4281205526 (0xFF2E0316)
YUV	18.0230, 1.9607, 24.5358
Hunter-Lab	8.3898, 13.0633, 0.0343

# Details

The YUV color **18.0230, 1.9607, 24.5358** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30.9770, -1.9607, -24.5358**, and the grayscale version is **18.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **63.5780, 0.2080, 26.6801**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **16.0340, 1.9552, 26.2802**, and if you desaturate by 10%, it is **21.3000, 1.8241, 21.6619**.

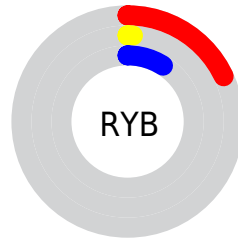
# Distribution



Red (18%)

Green (1%)

Blue (9%)



Red (18%)

Yellow (1%)

Blue (9%)

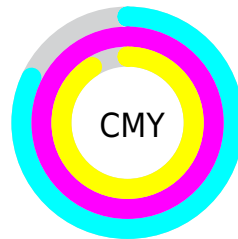


Cyan (0%)

Magenta (93%)

Yellow (52%)

Black (82%)



Cyan (82%)

Magenta (99%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 18.0230, 1.9607, 24.5358 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 18.0230, 1.9607, 24.5358 by changing the saturation by 10% instead.



■ 18.0230, 1.9607,  
24.5358

■ 18.0230, 1.9607,  
24.5358

■ 238.8260, 4.0298,  
14.1846

■ 5.3820, -2.6533,  
11.0660

■ 63.5780, 0.2080,  
26.6801

■ 0.0000, 0.0000,  
0.0000

■ 87.5890, 0.2026,  
28.4244


■ 112.1870, -0.0922,  
29.6540

■ 138.0840, -0.5344,  
31.4983

■ 164.4970, -0.2450,  
32.0131

■ 192.0950, -0.5398,


33.2427

 219.0840, -0.5344,  
31.4983


 18.0230, 1.9607,  
24.5358

 18.0230, 1.9607,  
24.5358

 16.0340, 1.9552,  
26.2802

 21.3000, 1.8241,  
21.6619

 23.8760, 1.5401,  
19.4027

 27.1530, 1.4036,  
16.5288

 29.7290, 1.1196,  
14.2697

 33.0060, 0.9830,  
11.3957

■ 36.1690, 0.4097,  
8.6218

■ 38.8590, 0.5625,  
6.2627

■ 42.1360, 0.4260,  
3.3887

■ 44.7120, 0.1420,  
1.1296

# Harmonies

## Analogous

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



19.9770, 8.3923, 14.9292



18.0230, 1.9607, 24.5358



16.9880, -8.3751, 26.3205

# Triad

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



18.0230, 1.9607, 24.5358



16.1810, -7.9772, -8.0517



21.0930, 12.2792, -18.4986

# Complementary

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



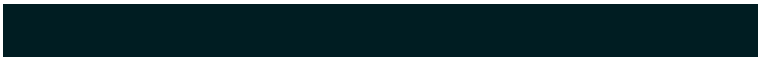
18.0230, 1.9607, 24.5358



30.9770, -1.9607, -24.5358

# 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.



20.8990, 6.4588, -18.3284



18.0230, 1.9607, 24.5358



16.4360, -8.1029, -14.4144

# Square

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



18.0230, 1.9607, 24.5358



19.5250, -9.6258, 7.4326



19.0750, -0.5300, -16.7288



18.7280, 15.9101, -16.4245



# Rectangle

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



18.0230, 1.9607, 24.5358



18.1400, -8.9430, 21.8022



19.0750, -0.5300, -16.7288



21.3380, 10.6794, -18.7134

# Sweetspot

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



18.0230, 1.9607, 24.5358



47.8810, 0.5517, 9.7514



15.0780, 15.2445, 10.4556



23.8590, 0.5625, 6.2627



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



18.0230, 1.9607, 24.5358



20.6050, 2.6597, 33.6724



17.0310, -6.9173, 25.4058



21.7120, 0.1420, 1.1296



30.3450, 3.7739, 49.6864



74.8160, 9.9507, 122.0644



# Inverse Universe

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



18.0230, 1.9607, 24.5358



20.6050, 2.6597, 33.6724



31.9690, 6.9173, -25.4058



21.7120, 0.1420, 1.1296



30.3450, 3.7739, 49.6864

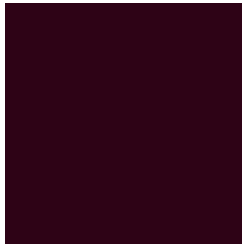


74.8160, 9.9507, 122.0644



# Previews

## White Background



This preview shows how the YUV color 18.0230, 1.9607, 24.5358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

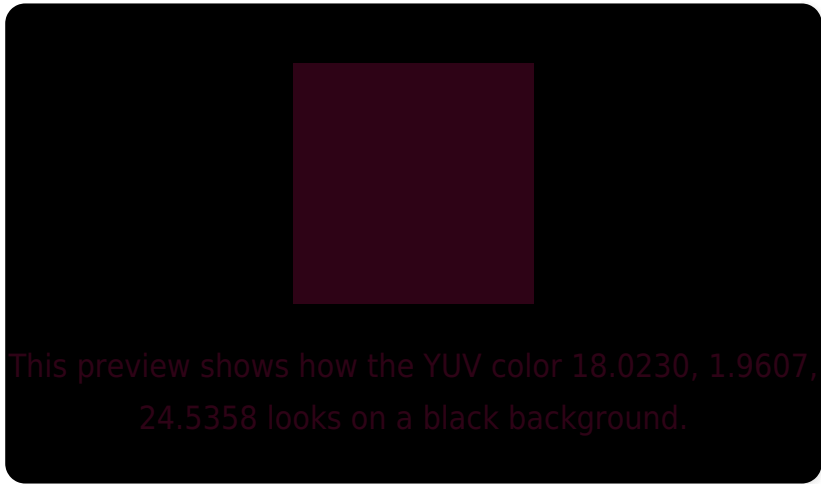
Any Text WCAG AA ✓ Pass

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

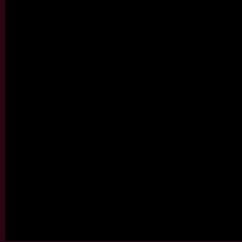
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 18.0230, 1.9607, 24.5358

## Background



This preview shows how black text looks on a background with the YUV color 18.0230, 1.9607, 24.5358.



This preview shows how white text looks on a background with the YUV color 18.0230, 1.9607,



# 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

18.0230, 1.9607, 24.5358

### Protanopia

24.3140, 3.7892, -2.0294

### Deuteranopia

24.1530, -2.0474, 3.3738



## Tritanopia

19.7640, -5.3067, 22.1320

# Trichromacy



## Original Color

18.0230, 1.9607, 24.5358

## Protanomaly

21.8530, 3.0305, 8.0219

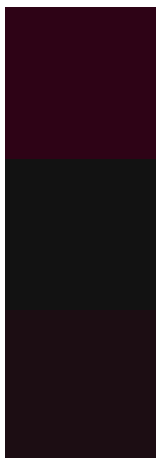
## Deuteranomaly

22.2510, -0.6167, 11.1809

## Tritanomaly

19.1600, -2.5439, 22.6617

# Monochromacy



## Original Color

18.0230, 1.9607, 24.5358

## Achromatopsia

18.0000, 0.0000, 0.0000

## Achromatomaly

18.1690, 0.4097, 8.6218

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 18.0230, 1.9607, 24.5358 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(46, 3, 22)` looks like.

```
.text, #text, p{  
    color:rgb(46, 3, 22)  
}
```

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(46, 3, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 3, 22) }
```

## Border

The CSS property to change the border of an element to YUV 18.0230, 1.9607, 24.5358 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(46, 3, 22) }
```



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

```
.border{ border-color:rgb(46, 3, 22) }
```

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

Here you see how a box with a 4 pixel rgb(46, 3, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 3, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 3, 22); box-shadow:4px  
4px 4px 4px rgb(46, 3, 22) }
```

# Background

The CSS property to change the background color of an element to YUV 18.0230, 1.9607, 24.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 3, 22) }
```

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

```
.background{ background-color: rgb(46, 3,  
22) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor