

# Converting Colors

YUV(76.0760, -12.3625,  
-48.3017)

Have a look what the booklet for  
YUV(76.0760, -12.3625, -48.3017)  
contains.

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# Color

**YUV(76.0760, -12.3625,  
-48.3017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	156D33
RGB	21, 109, 51
RGB Percent	8%, 43%, 20%
CMY	0.9176, 0.5725, 0.8000
CMYK	0.81, 0.00, 0.53, 0.57
HSL	140°, 68%, 25%
HSV	140°, 81%, 43%
XYZ	6.3754, 11.3357, 4.9840
YIQ	76.0760, -33.8300, -36.6940

# Conversions

## Conversions Part 2

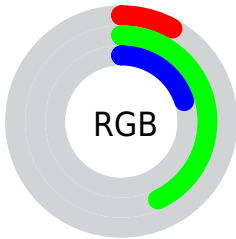
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 87, 109
Decimal	1404211
CIE Lab	40.14, -38.83, 25.25
CIE LCh	40, 46.317, 146.964
Yxy	11.3357, 0.2809, 0.4995
Android (android.graphics.Color)	4279594291 (0xFF156D33)
YUV	76.0760, -12.3625, -48.3017
Hunter-Lab	33.6686, -25.1194, 14.7913

# Details

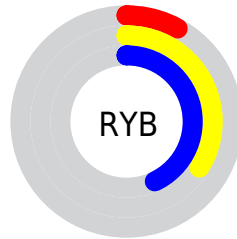
The YUV color **76.0760, -12.3625, -48.3017** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **53.9240, 12.3625, 48.3017**, and the grayscale version is **76.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.0120, -15.2889, -42.9835**, and **35.7900, -15.1795, -31.3878** is the 20% darker color. If you saturate the color by 10%, you get **71.9890, -13.7986, -54.3644**, and if you desaturate by 10%, it is **80.1630, -10.9264, -42.2390**.

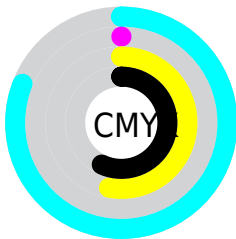
# Distribution



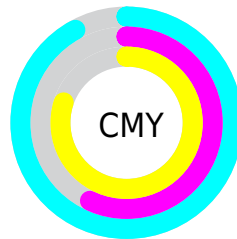
- Red (8%)
- Green (43%)
- Blue (20%)



- Red (8%)
- Yellow (34%)
- Blue (43%)



- Cyan (81%)
- Magenta (0%)
- Yellow (53%)
- Black (57%)



- Cyan (92%)
- Magenta (57%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 76.0760, -12.3625, -48.3017 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 76.0760, -12.3625, -48.3017 by changing the saturation by 10% instead.



■ 76.0760, -12.3625,  
-48.3017

■ 76.0760, -12.3625,  
-48.3017

255.0000, 0.0000,  
0.0000

■ 52.5000, -12.0785,  
-46.0425

■ 130.0120,  
-15.2889, -42.9835

■ 35.7900, -15.1795,  
-31.3878

■ 157.3710,  
-16.4519, -43.2984

■ 22.8930, -11.2862,  
-20.0772

■ 184.8440,  
-17.1781, -43.7132

■ 0.5870, -0.2894,  
-0.5148

■ 213.3170,  
-17.9043, -44.1280

■ 0.0000, 0.0000,  
0.0000

■ 230.1640,  
-12.4059, -34.3468

■ 242.0270, -4.4503,

-19.3177

253.2060, 0.8844,  
-3.6887

76.0760, -12.3625,  
-48.3017

76.0760, -12.3625,  
-48.3017

71.9890, -13.7986,  
-54.3644

80.1630, -10.9264,  
-42.2390

68.2010, -15.3821,  
-59.8123

84.2500, -9.4902,  
-36.1763

88.4510, -7.6173,  
-30.2135

92.5380, -6.1812,  
-24.1508

96.3260, -4.5977,  
-18.7029

■ 100.4130, -3.1616,  
-12.6402

■ 104.5000, -1.7255,  
-6.5775

■ 108.5870, -0.2894,  
-0.5148

■ 112.7880, 1.5835,  
5.4479

# Harmonies

## Analogous

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



85.8460, -33.4481, -5.1269



76.0760, -12.3625, -48.3017



75.8900, 6.4632, -66.5555

# Triad

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



76.0760, -12.3625, -48.3017



78.0800, 45.3166, -68.4762



91.7150, -14.1565, 60.7629

# Complementary

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



76.0760, -12.3625, -48.3017



53.9240, 12.3625, 48.3017

# 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.



93.2860, 3.3100, 58.5082



76.0760, -12.3625, -48.3017



94.9630, 33.0492, -6.9836

# Square

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



76.0760, -12.3625, -48.3017



81.9950, 37.4705, -71.9096



96.6710, 19.3892, 34.4915



91.3870, -30.2638, 47.0186



# Rectangle

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



76.0760, -12.3625, -48.3017



78.9680, 18.2568, -69.2549



96.6710, 19.3892, 34.4915



91.9200, -8.3416, 62.3372

# Sweetspot

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



76.0760, -12.3625, -48.3017



130.2120, -5.0345, -18.6029



90.2970, -34.1634, -9.0305



63.5380, -2.7302, -10.9958



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



76.0760, -12.3625, -48.3017



91.0650, -19.2590, -76.3560



80.9780, 6.4198, -52.6007



51.7500, -0.8628, -3.2887



73.2390, -16.3868, -64.2306



153.2770, -34.6466, -134.4239



# Inverse Universe

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



53.9240, 12.3625, 48.3017



56.0490, 19.6958, 76.2560



49.0220, -6.4198, 52.6007



50.2500, 0.8628, 3.2887



43.7610, 16.3868, 64.2306



91.6090, 34.2098, 134.5239



# Previews

## White Background



This preview shows how the YUV color 76.0760, -12.3625, -48.3017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

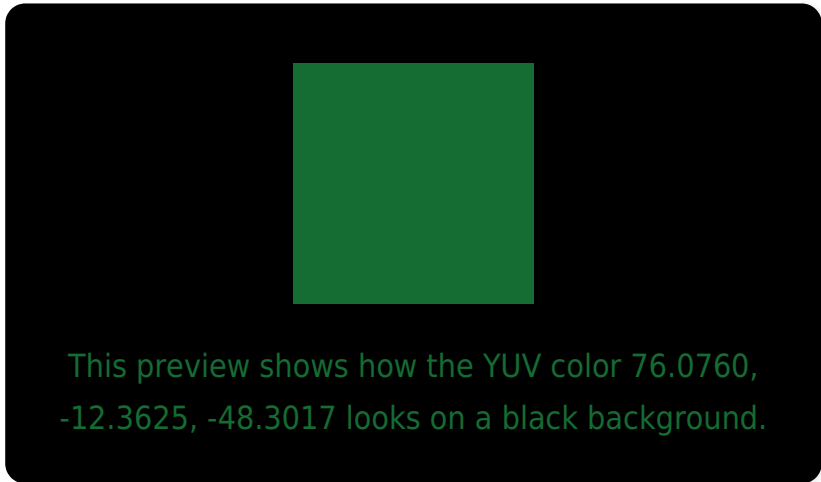
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 76.0760, -12.3625, -48.3017

## Background



This preview shows how black text looks on a background with the YUV color 76.0760, -12.3625, -48.3017.



This preview shows how white text looks on a background with the YUV color 76.0760, -12.3625,



# 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

76.0760, -12.3625, -48.3017

### Protanopia

91.5180, -22.4404, 10.9467

### Deuteranopia

93.3000, -18.3889, 18.1539



## Tritanopia

86.8690, 11.8966, -35.8421

# Trichromacy



## Original Color

76.0760, -12.3625, -48.3017

## Protanomaly

85.7110, -18.5915, -10.2705

## Deuteranomaly

87.0150, -16.2764, -6.1522

## Tritanomaly

82.8440, 3.0349, -40.2052

# Monochromacy



## Original Color

76.0760, -12.3625, -48.3017

## Achromatopsia

76.0000, 0.0000, 0.0000

## Achromatomaly

76.0380, -4.4557, -17.5733

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 76.0760, -12.3625, -48.3017 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(21, 109, 51)` looks like.

```
.text, #text, p{  
    color:rgb(21, 109, 51)  
}
```

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(21, 109, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 109, 51) }
```

## Border

The CSS property to change the border of an element to YUV 76.0760, -12.3625, -48.3017 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(21, 109, 51) }
```



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

```
.border{ border-color:rgb(21, 109, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 109, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 109, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 109, 51);  
box-shadow:4px 4px 4px 4px rgb(21, 109,  
51) }
```

# Background

The CSS property to change the background color of an element to YUV 76.0760, -12.3625, -48.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 109, 51) }
```

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

```
.background{ background-color: rgb(21, 109,  
51) }
```

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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