

# Converting Colors

YUV(72.8080, -5.8213, -46.3126)

Have a look what the booklet for  
YUV(72.8080, -5.8213, -46.3126)  
contains.

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# Color

**YUV(72.8080, -5.8213,  
-46.3126)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	14663D
RGB	20, 102, 61
RGB Percent	8%, 40%, 24%
CMY	0.9216, 0.6000, 0.7608
CMYK	0.80, 0.00, 0.40, 0.60
HSL	150°, 67%, 24%
HSV	150°, 80%, 40%
XYZ	5.8822, 9.9884, 6.0328
YIQ	72.8080, -35.7110, -30.1350

# Conversions

## Conversions Part 2

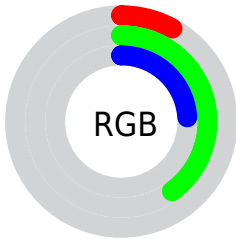
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 75, 102
Decimal	1336893
CIE <sub>Lab</sub>	37.82, -34.22, 16.55
CIE <sub>LCh</sub>	38, 38.008, 154.187
Yxy	9.9884, 0.2686, 0.4560
Android (android.graphics.Color)	4279526973 (0xFF14663D)
YUV	72.8080, -5.8213, -46.3126
Hunter-Lab	31.6044, -22.0856, 10.8055

# Details

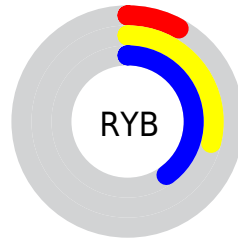
The YUV color **72.8080, -5.8213, -46.3126** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **49.1920, 5.8213, 46.3126**, and the grayscale version is **73.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.1460, -8.4530, -42.2240**, and **33.7500, -7.7648, -29.5987** is the 20% darker color. If you saturate the color by 10%, you get **69.2480, -6.5313, -51.9605**, and if you desaturate by 10%, it is **76.3680, -5.1114, -40.6647**.

# Distribution



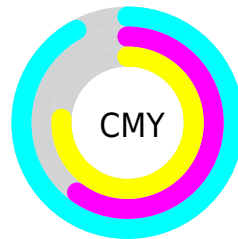
- Red (8%)
- Green (40%)
- Blue (24%)



- Red (8%)
- Yellow (29%)
- Blue (40%)



- Cyan (80%)
- Magenta (0%)
- Yellow (40%)
- Black (60%)



- Cyan (92%)
- Magenta (60%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 72.8080, -5.8213, -46.3126 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 72.8080, -5.8213, -46.3126 by changing the saturation by 10% instead.



■ 72.8080, -5.8213,  
-46.3126

■ 72.8080, -5.8213,  
-46.3126

255.0000, 0.0000,  
0.0000

■ 49.6450, -5.2480,  
-43.5387

■ 126.1460, -8.4530,  
-42.2240

■ 33.7500, -7.7648,  
-29.5987

■ 152.9180, -9.3266,  
-42.0241

■ 19.9580, -9.8393,  
-17.5032

■ 180.5050, -9.6160,  
-42.5389

■ 0.0000, 0.0000,  
0.0000

■ 208.0920, -9.9054,  
-43.0537

■ 230.1080, -7.4482,  
-37.8057

■ 241.7860, 1.0915,

-23.4913

252.0100, 1.4741,  
-6.1478

72.8080, -5.8213,  
-46.3126

72.8080, -5.8213,  
-46.3126

69.2480, -6.5313,  
-51.9605

76.3680, -5.1114,  
-40.6647

65.6880, -7.2412,  
-57.6084

79.9280, -4.4015,  
-35.0169

83.7870, -3.8390,  
-28.7542

87.3470, -3.1291,  
-23.1063

91.0210, -1.9824,  
-17.5584

■ 94.5810, -1.2724,  
-11.9105

■ 98.1410, -0.5625,  
-6.2627

■ 102.0000, 0.0000,  
0.0000

■ 105.5600, 0.7099,  
5.6479

# Harmonies

## Analogous

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



81.8590, -23.1015, -10.4003



72.8080, -5.8213, -46.3126



71.6500, 10.5256, -62.8370

# Triad

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



72.8080, -5.8213, -46.3126



79.7860, 34.6155, -42.7853



87.5840, -15.5709, 47.7228

# Complementary

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



72.8080, -5.8213, -46.3126



49.1920, 5.8213, 46.3126

# 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.



88.9660, -1.4622, 49.1418



72.8080, -5.8213, -46.3126



91.0370, 24.1388, 4.3526

# Square

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



72.8080, -5.8213, -46.3126



74.5290, 34.2492, -65.3619



91.4230, 12.1165, 33.8320



87.5210, -26.8789, 34.6231



# Rectangle

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



72.8080, -5.8213, -46.3126



73.9300, 19.2615, -64.8366



91.4230, 12.1165, 33.8320



87.8600, -10.7770, 50.1118

# Sweetspot

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



72.8080, -5.8213, -46.3126



121.6080, -2.2717, -18.0732



80.3930, -29.7737, -17.0077



59.2930, -1.1304, -10.7810



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.



72.8080, -5.8213, -46.3126



87.4320, -9.0870, -72.2929



77.4820, 12.0874, -50.4117



49.1630, -0.5734, -2.7740



74.0030, -8.3825, -64.9006



155.8480, -17.1801, -136.6787



# Inverse Universe

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



49.1920, 5.8213, 46.3126



50.5680, 9.0870, 72.2929



44.5180, -12.0874, 50.4117



47.7230, 0.1366, 2.8739



40.8830, 7.9457, 65.0006

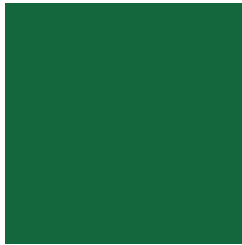


86.1520, 17.1801, 136.6787



# Previews

## White Background



This preview shows how the YUV color 72.8080, -5.8213, -46.3126 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



This preview shows how the YUV color 72.8080, -5.8213, -46.3126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

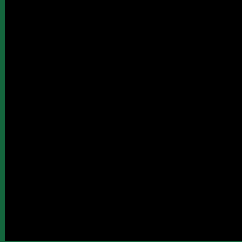
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 72.8080, -5.8213, -46.3126

## Background



This preview shows how black text looks on a background with the YUV color 72.8080, -5.8213, -46.3126.



This preview shows how white text looks on a background with the YUV color 72.8080, -5.8213,



# 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

72.8080, -5.8213, -46.3126

### Protanopia

87.6300, -15.5936, 8.2175

### Deuteranopia

88.7000, -11.6841, 14.2951



## Tritanopia

81.1680, 11.7492, -35.2273

# Trichromacy



## Original Color

72.8080, -5.8213, -46.3126

## Protanomaly

82.4210, -12.0396, -11.7702

## Deuteranomaly

82.8390, -9.2876, -7.7518

## Tritanomaly

78.1260, 5.3609, -39.5755

# Monochromacy



## Original Color

72.8080, -5.8213, -46.3126

## Achromatopsia

73.0000, 0.0000, 0.0000

## Achromatomaly

73.3200, -2.1298, -16.9436

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.8080, -5.8213, -46.3126 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(20, 102, 61)` looks like.

```
.text, #text, p{  
    color:rgb(20, 102, 61)  
}
```

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(20, 102, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 102, 61) }
```

## Border

The CSS property to change the border of an element to YUV 72.8080, -5.8213, -46.3126 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(20, 102, 61) }
```



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

```
.border{ border-color:rgb(20, 102, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 102, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 102, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 102, 61);  
box-shadow:4px 4px 4px 4px rgb(20, 102,  
61) }
```

# Background

The CSS property to change the background color of an element to YUV 72.8080, -5.8213, -46.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 102, 61) }
```

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

```
.background{ background-color: rgb(20, 102,  
61) }
```

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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