

# Converting Colors

YUV(52.0010, 8.3805, -28.0649)

Have a look what the booklet for  
YUV(52.0010, 8.3805, -28.0649)  
contains.

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# Color

**YUV(52.0010, 8.3805,  
-28.0649)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	144145
RGB	20, 65, 69
RGB Percent	8%, 25%, 27%
CMY	0.9216, 0.7451, 0.7294
CMYK	0.71, 0.06, 0.00, 0.73
HSL	185°, 55%, 17%
HSV	185°, 71%, 27%
XYZ	3.2530, 4.3590, 6.3001
YIQ	52.0010, -28.1040, -8.2960

# Conversions

## Conversions Part 2

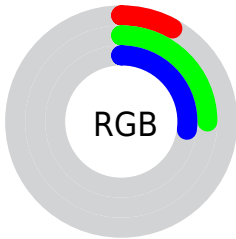
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 43, 69
Decimal	1327429
CIE <sub>Lab</sub>	24.82, -13.63, -6.97
CIE <sub>LCh</sub>	25, 15.309, 207.080
Yxy	4.3590, 0.2338, 0.3133
Android (android.graphics.Color)	4279517509 (0xFF144145)
YUV	52.0010, 8.3805, -28.0649
Hunter-Lab	20.8782, -8.7253, -3.2765

# Details

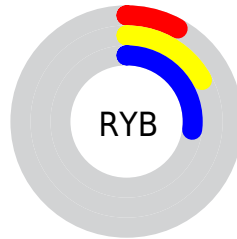
The YUV color **52.0010, 8.3805, -28.0649** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **36.9990, -8.3805, 28.0649**, and the grayscale version is **52.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.5990, 8.0857, -26.8353**, and **16.4650, 4.7008, -14.4398** is the 20% darker color. If you saturate the color by 10%, you get **49.3210, 9.7017, -31.8535**, and if you desaturate by 10%, it is **54.6810, 7.0593, -24.2762**.

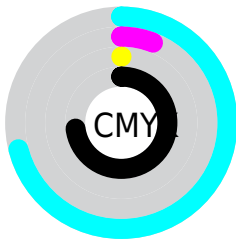
# Distribution



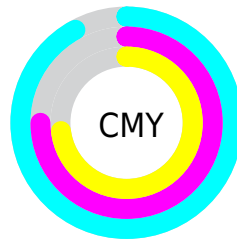
- Red (8%)
- Green (25%)
- Blue (27%)



- Red (8%)
- Yellow (17%)
- Blue (27%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (73%)



- Cyan (92%)
- Magenta (75%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.0010, 8.3805, -28.0649 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 52.0010, 8.3805, -28.0649 by changing the saturation by 10% instead.



■ 52.0010, 8.3805,  
-28.0649

■ 52.0010, 8.3805,  
-28.0649

■ 255.0000, 0.0000,  
0.0000

■ 30.5990, 8.0857,  
-26.8353

■ 100.5990, 8.0857,  
-26.8353

■ 16.4650, 4.7008,  
-14.4398

■ 126.3000, 8.2331,  
-27.4501

■ 0.0000, 0.0000,  
0.0000

■ 152.3000, 8.2331,  
-27.4501

■ 179.3000, 8.2331,  
-27.4501

■ 207.0010, 8.3805,  
-28.0649

■ 235.7020, 8.5279,

-28.6797

247.8240, 3.5378,  
-14.7546

52.0010, 8.3805,  
-28.0649

52.0010, 8.3805,  
-28.0649

49.3210, 9.7017,  
-31.8535

54.6810, 7.0593,  
-24.2762

47.2280, 10.7336,  
-36.1570

56.7740, 6.0274,  
-19.9728

44.8470, 11.9074,  
-39.3308

59.4540, 4.7062,  
-16.1842

61.5470, 3.6743,  
-11.8807

63.9280, 2.5005,  
-8.7069

■ 66.0210, 1.4686,  
-4.4034

■ 68.7010, 0.1474,  
-0.6148

■ 71.3810, -1.1738,  
3.1739

■ 73.4740, -2.2057,  
7.4773

# Harmonies

## Analogous

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



53.3240, 1.8123, -21.3321



52.0010, 8.3805, -28.0649



53.3480, 12.1534, -24.8612

# Triad

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



52.0010, 8.3805, -28.0649



60.5590, 5.6404, 10.9108



58.4820, -11.0836, 8.3473

# Complementary

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



52.0010, 8.3805, -28.0649



36.9990, -8.3805, 28.0649

# 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.



59.2810, -9.5055, 15.5396



52.0010, 8.3805, -28.0649



60.2240, 0.3826, 17.3436

# Square

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



52.0010, 8.3805, -28.0649



59.5190, 9.6041, -0.4552



60.0410, -5.4432, 19.2580



56.8830, -9.3093, -0.7744



# Rectangle

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



52.0010, 8.3805, -28.0649



56.3920, 12.1317, -17.8838



60.0410, -5.4432, 19.2580



58.3190, -10.5103, 11.1212

# Sweetspot

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



52.0010, 8.3805, -28.0649



83.0310, 2.9427, -10.5512



49.1050, -12.8698, -25.5251



41.8250, 2.0583, -6.8625



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



52.0010, 8.3805, -28.0649



62.7540, 12.9393, -43.6343



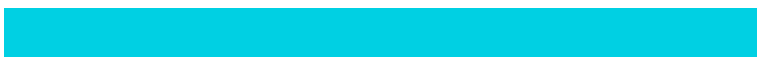
37.9130, 15.3259, -15.7097



34.2170, 0.8790, -1.9443



64.7030, 16.9084, -56.7445



147.9740, 38.9598, -129.7732



# Inverse Universe

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



39.7810, 12.4330, 25.6251



43.7040, 19.3729, 39.7246



51.0870, -15.3259, 15.7097



33.5380, 0.7208, 2.1592



39.9750, 25.1553, 51.7649



91.5850, 57.3926, 118.7590



# Previews

## White Background



This preview shows how the YUV color 52.0010, 8.3805, -28.0649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

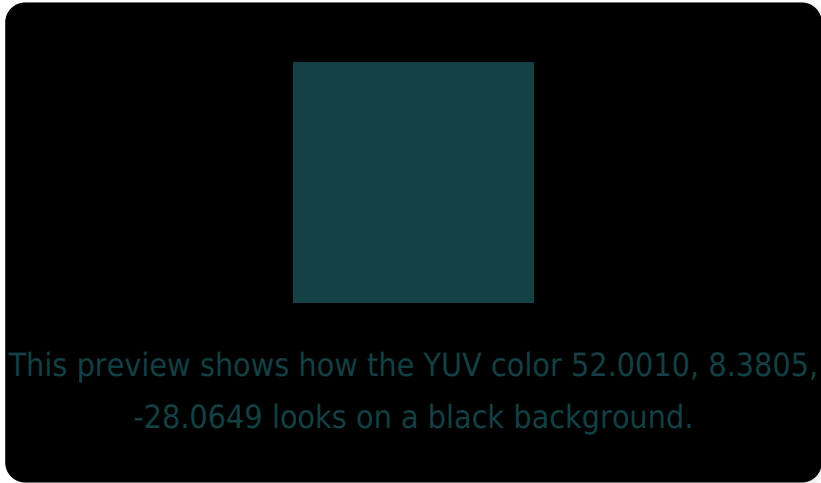
Any Text WCAG AA ✓ Pass

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

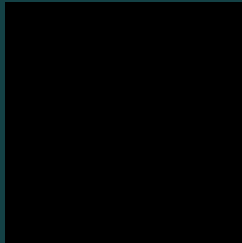
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 52.0010, 8.3805, -28.0649**

## **Background**



This preview shows how black text looks on a background with the YUV color 52.0010, 8.3805, -28.0649.



This preview shows how white text looks on a background with the YUV color 52.0010, 8.3805, -28.0649.



# 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

52.0010, 8.3805, -28.0649

### Protanopia

58.7980, 3.0576, -0.6998

### Deuteranopia

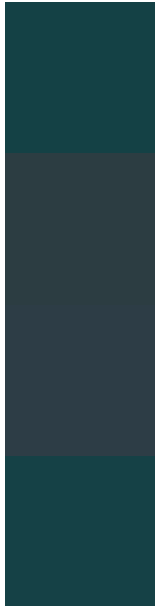
59.7810, 5.5310, -0.6849



## Tritanopia

52.4140, 8.6699, -27.5501

# Trichromacy



## Original Color

52.0010, 8.3805, -28.0649

## Protanomaly

56.4870, 4.6899, -10.9511

## Deuteranomaly

57.2420, 6.2897, -10.7362

## Tritanomaly

52.4140, 8.6699, -27.5501

# Monochromacy



## Original Color

52.0010, 8.3805, -28.0649

## Achromatopsia

52.0000, 0.0000, 0.0000

## Achromatomaly

52.0310, 2.9427, -10.5512

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.0010, 8.3805, -28.0649 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, 65, 69)` looks like.

```
.text, #text, p{  
    color:rgb(20, 65, 69)  
}
```

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, 65, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 65, 69) }
```

## Border

The CSS property to change the border of an element to YUV 52.0010, 8.3805, -28.0649 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, 65, 69) }
```



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

```
.border{ border-color:rgb(20, 65, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 65, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 65, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 65, 69);  
box-shadow:4px 4px 4px 4px rgb(20, 65, 69)  
}
```

# Background

The CSS property to change the background color of an element to YUV 52.0010, 8.3805, -28.0649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 65, 69) }
```

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

```
.background{ background-color: rgb(20, 65,  
69) }
```

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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