

# Converting Colors

YIQ(72.1670, -17.0080,  
-11.1520)

Have a look what the booklet for  
YIQ(72.1670, -17.0080, -11.1520)  
contains.

<b>YIQ(72.1670, -17.0080, -11.1520)</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

**YIQ(72.1670, -17.0080,  
-11.1520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	315448
RGB	49, 84, 72
RGB Percent	19%, 33%, 28%
CMY	0.8079, 0.6705, 0.7177
CMYK	0.42, 0.00, 0.14, 0.67
HSL	159°, 26%, 26%
HSV	159°, 42%, 33%
XYZ	5.6062, 7.4630, 7.2734
YIQ	72.1670, -17.0080, -11.1520

# Conversions

## Conversions Part 2

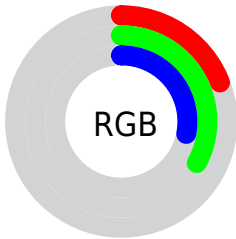
Format	Color
<b>R<sub>YB</sub></b>	49, 70, 84
Decimal	3232840
CIE Lab	32.84, -15.88, 3.05
CIE LCh	33, 16.171, 169.112
Yxy	7.4630, 0.2756, 0.3669
Android (android.graphics.Color)	4281422920 (0xFF315448)
YUV	72.1670, -0.0823, -20.3175
Hunter-Lab	27.3185, -11.1764, 3.3374

# Details

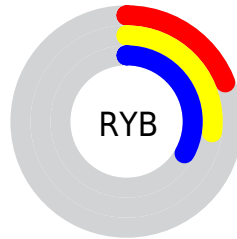
The YIQ color **72.1670, -17.0080, -11.1520** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **60.8330, 17.0080, 11.1520**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.3410, -17.5580, -12.1980**, and **27.0960, -18.2460, -10.7420** is the 20% darker color. If you saturate the color by 10%, you get **69.4330, -20.8130, -13.7810**, and if you desaturate by 10%, it is **74.9010, -13.2030, -8.5230**.

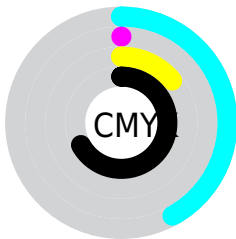
# Distribution



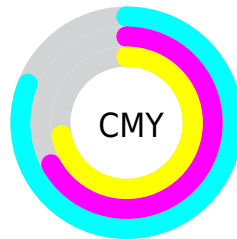
- Red (19%)
- Green (33%)
- Blue (28%)



- Red (19%)
- Yellow (27%)
- Blue (33%)



- Cyan (42%)
- Magenta (0%)
- Yellow (14%)
- Black (67%)



- Cyan (81%)
- Magenta (67%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.1670, -17.0080, -11.1520 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 YIQ color 72.1670, -17.0080, -11.1520 by changing the saturation by 10% instead.



■ 72.1670, -17.0080,  
-11.1520

■ 72.1670, -17.0080,  
-11.1520

■ 255.0000, -0.0000,  
-0.0000

■ 49.2810, -17.3290,  
-10.8410

■ 121.3410,  
-17.5580, -12.1980

■ 27.0960, -18.2460,  
-10.7420

■ 147.0420,  
-18.1540, -12.4100

■ 10.7940, -5.5920,  
-8.7920

■ 174.0420,  
-18.1540, -12.4100

■ 0.0000, 0.0000,  
0.0000

■ 201.3300,  
-19.0250, -13.1450

■ 229.3300,  
-19.0250, -13.1450

■ 247.8240,

-14.3040, -5.0880

■ 72.1670, -17.0080,  
-11.1520

■ 72.1670, -17.0080,  
-11.1520

■ 69.4330, -20.8130,  
-13.7810

■ 74.9010, -13.2030,  
-8.5230

■ 66.4000, -25.2140,  
-16.6220

■ 77.9340, -8.8020,  
-5.6820

■ 63.6660, -29.0190,  
-19.2510

■ 80.6680, -4.9970,  
-3.0530

■ 60.6330, -33.4200,  
-22.0920

■ 83.7010, -0.5960,  
-0.2120

■ 58.0130, -37.5460,  
-24.4100

■ 86.3210, 3.5300,  
2.1060

■ 55.5780, -40.7550,  
-26.8270

■ 89.0550, 7.3350,  
4.7350

■ 92.0880, 11.7360,  
7.5760

■ 94.8220, 15.5410,  
10.2050

■ 97.8550, 19.9420,  
13.0460

# Harmonies

## Analogous

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



73.8110, -4.2620, -10.8700



72.1670, -17.0080, -11.1520



70.6590, -27.1410, -9.2290

# Triad

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



72.1670, -17.0080, -11.1520



77.9530, -9.8130, 7.1390



78.1890, 21.4570, 2.1050

# Complementary

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



72.1670, -17.0080, -11.1520



60.8330, 17.0080, 11.1520

# 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.



78.5790, 20.5390, 7.7310



72.1670, -17.0080, -11.1520



79.0040, 3.3450, 10.9690

# Square

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



72.1670, -17.0080, -11.1520



74.7340, -22.5580, 1.3300



79.1640, 14.5780, 11.1380



77.1620, 16.9190, -3.7610



# Rectangle

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



72.1670, -17.0080, -11.1520



71.2720, -30.3050, -6.9530



79.1640, 14.5780, 11.1380



78.3570, 21.0440, 4.0840

# Sweetspot

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



72.1670, -17.0080, -11.1520



104.9450, -7.3350, -4.7350



73.1330, -2.4730, -15.7610



52.9670, -4.4010, -2.8410



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



72.1670, -17.0080, -11.1520



91.3890, -26.6810, -17.5690



70.6000, -19.4850, -4.8050



39.5760, -1.7420, -1.4700



69.5010, -51.0240, -33.4560



153.5120, -112.5920, -74.0640



# Inverse Universe

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



60.8330, 17.0080, 11.1520



73.6110, 26.6810, 17.5690



62.4000, 19.4850, 4.8050



38.3100, 2.0630, 1.1590



35.4990, 51.0240, 33.4560



78.4880, 112.5920, 74.0640



# Previews

## White Background



This preview shows how the YIQ color 72.1670, -17.0080, -11.1520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

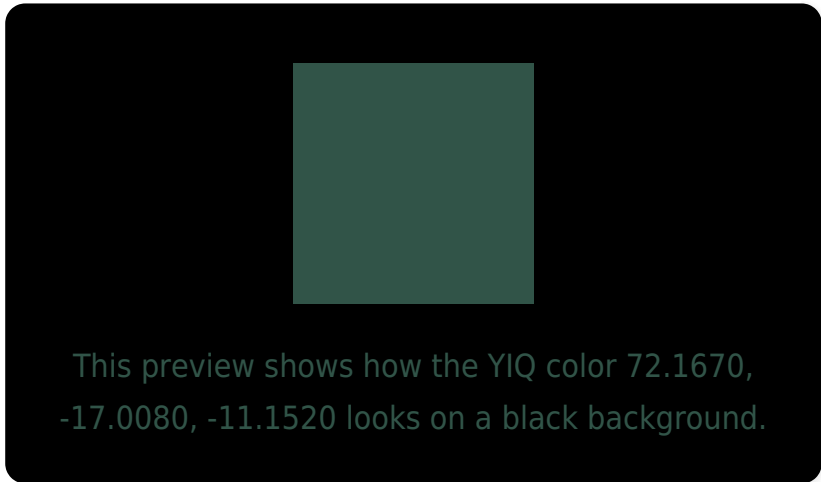
Any Text WCAG AA ✓ Pass

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

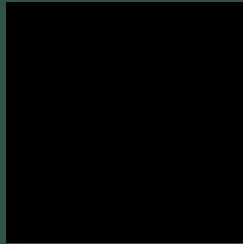
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 72.1670, -17.0080, -11.1520

## Background



This preview shows how black text looks on a background with the YIQ color 72.1670, -17.0080, -11.1520.



This preview shows how white text looks on a background with the YIQ color 72.1670, -17.0080,

-11.1520.

# 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

72.1670, -17.0080, -11.1520

### Protanopia

76.8710, 4.6770, -2.1630

### Deuteranopia

77.2890, 6.5560, 2.3320



## Tritanopia

74.0130, -19.2100, -4.2820

# Trichromacy



## Original Color

72.1670, -17.0080, -11.1520

## Protanomaly

75.4570, -3.0250, -5.7530

## Deuteranomaly

75.6360, -1.9710, -2.8270

## Tritanomaly

73.6170, -18.1550, -6.8830

# Monochromacy



## Original Color

72.1670, -17.0080, -11.1520

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

71.9560, -5.8680, -3.7880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.1670, -17.0080, -11.1520 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(49, 84, 72)` looks like.

```
.text, #text, p{  
    color:rgb(49, 84, 72)  
}
```

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(49, 84, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 84, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 72.1670, -17.0080, -11.1520 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(49, 84, 72) }
```



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

```
.border{ border-color:rgb(49, 84, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 84, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 84, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 84, 72);  
box-shadow:4px 4px 4px 4px rgb(49, 84, 72)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 72.1670, -17.0080, -11.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 84, 72) }
```

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

```
.background{ background-color: rgb(49, 84,  
72) }
```

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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