

# Converting Colors

YIQ(118.8800, -20.1600,  
-75.2000)

Have a look what the booklet for  
YIQ(118.8800, -20.1600, -75.2000)  
contains.

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# Color

**YIQ(118.8800, -20.1600,  
-75.2000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	35AD0D
RGB	53, 173, 13
RGB Percent	21%, 68%, 5%
CMY	0.7925, 0.3214, 0.9489
CMYK	0.69, 0.00, 0.92, 0.32
HSL	105°, 86%, 36%
HSV	105°, 92%, 68%
XYZ	16.4889, 30.6896, 5.4358
YIQ	118.8800, -20.1600, -75.2000

# Conversions

## Conversions Part 2

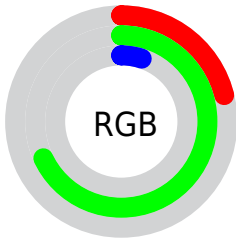
Format	Color
<a href="#">RYB</a>	<a href="#">13, 173, 133</a>
Decimal	<a href="#">3517709</a>
CIELab	<a href="#">62.24, -58.40, 61.26</a>
CIELCh	<a href="#">62, 84.638, 133.630</a>
Yxy	<a href="#">30.6896, 0.3134, 0.5833</a>
Android (android.graphics.Color)	<a href="#">4281707789</a> ( <a href="#">0xFF35AD0D</a> )
YUV	<a href="#">118.8800, -52.1988, -57.7768</a>
Hunter-Lab	<a href="#">55.3982, -43.8175, 32.9611</a>

# Details


The YIQ color **118.8800, -20.1600, -75.2000** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **67.1200, 20.1600, 75.2000**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **178.9990, -18.8770, -70.9170**, and **69.8530, -32.7250, -62.2370** is the 20% darker color. If you saturate the color by 10%, you get **114.4080, -21.9470, -81.3630**, and if you desaturate by 10%, it is **124.7050, -17.8690, -67.1570**.

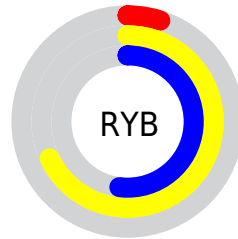
# Distribution



 Red (21%)

 Green (68%)

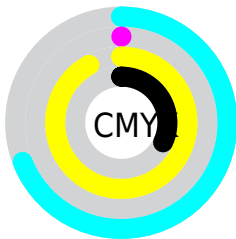
 Blue (5%)




 Red (5%)

 Yellow (68%)

 Blue (52%)

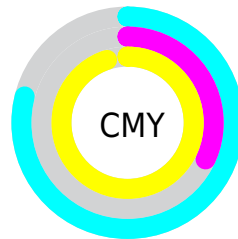


 Cyan (69%)


 Magenta (0%)

 Yellow (92%)

 Black (32%)



 Cyan (79%)

 Magenta (32%)

 Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.8800, -20.1600, -75.2000 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 118.8800, -20.1600, -75.2000 by changing the saturation by 10% instead.



■ 118.8800,  
-20.1600, -75.2000

■ 118.8800,  
-20.1600, -75.2000

■ 255.0000, -0.0000,  
-0.0000

■ 85.7020, -40.1500,  
-76.3580

■ 178.9990,  
-18.8770, -70.9170

■ 69.8530, -32.7250,  
-62.2370

■ 205.8360,  
-16.8600, -68.9240

■ 54.5910, -25.5750,  
-48.6390

■ 217.8840, -7.6470,  
-54.1670

■ 39.9160, -18.7000,  
-35.5640

■ 230.0460, 1.2450,  
-39.0990

■ 27.0020, -12.6500,  
-24.0580

■ 242.3220, 9.8160,  
-23.7200

■ 8.8050, -4.1250,  
-7.8450

■ 251.0100, 11.2350,

■ 0.0000, 0.0000,

-10.8850

0.0000

254.3160, 1.9260,  
-1.8660

■ 118.8800,  
-20.1600, -75.2000

■ 118.8800,  
-20.1600, -75.2000

■ 114.4080,  
-21.9470, -81.3630

■ 124.7050,  
-17.8690, -67.1570

■ 130.6440,  
-15.8990, -58.8030

■ 136.4690,  
-13.6080, -50.7600

■ 142.2940,  
-11.3170, -42.7170

■ 148.2330, -9.3470,  
-34.3630

■ 154.0580, -7.0560,  
-26.3200

■ 159.8830, -4.7650,  
-18.2770

■ 165.7080, -2.4740,  
-10.2340

■ 171.6470, -0.5040,  
-1.8800

# Harmonies

## Analogous

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



137.5960, 45.9500, -50.8340



118.8800, -20.1600, -75.2000



118.2170, -83.4800, -62.0080

# Triad

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



118.8800, -20.1600, -75.2000



129.4470, -128.8800, -10.1280



123.3840, 97.7850, 61.5690

# Complementary

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



118.8800, -20.1600, -75.2000



67.1200, 20.1600, 75.2000

# 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.



138.3910, 70.6850, 79.1410



118.8800, -20.1600, -75.2000



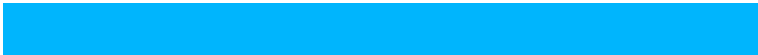
115.9460, -122.5550, 1.9010

# Square

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



118.8800, -20.1600, -75.2000



135.0890, -130.9880, -15.9800



152.8200, 2.9690, 61.8570



136.7810, 111.0430, 19.5150



# Rectangle

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



118.8800, -20.1600, -75.2000



125.4330, -101.0430, -46.5710



152.8200, 2.9690, 61.8570



123.8860, 90.8600, 71.4360

# Sweetspot

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



118.8800, -20.1600, -75.2000



202.8790, -8.1100, -29.2460



131.2800, 62.3600, -28.8400



99.2960, -4.4900, -17.7540



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



118.8800, -20.1600, -75.2000



148.2320, -28.2240, -105.2800



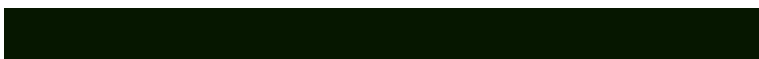
111.4800, -56.8400, -71.2400



83.8810, -1.2830, -4.2830



99.1130, -19.1980, -70.6060



15.2950, -2.7490, -10.7570



# Inverse Universe

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



67.1200, 20.1600, 75.2000



75.7680, 28.2240, 105.2800



74.5200, 56.8400, 71.2400



81.1190, 1.2830, 4.2830



50.8870, 19.1980, 70.6060

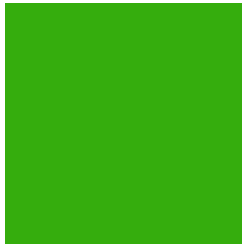


7.7050, 2.7490, 10.7570



# Previews

## White Background



This preview shows how the YIQ color 118.8800, -20.1600, -75.2000 looks on a white 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



# Black Background



This preview shows how the YIQ color 118.8800, -20.1600, -75.2000 looks on a black 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

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

# YIQ 118.8800, -20.1600, -75.2000 Background



This preview shows how black text looks on a background with the YIQ color 118.8800, -20.1600, -75.2000.



This preview shows how white text looks on a background with the YIQ color 118.8800, -20.1600, -75.2000.

-75.2000.

# 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

118.8800, -20.1600, -75.2000

### Deuteranopia

144.0120, 60.4790, -22.2810

### Tritanopia

140.3560, -48.2770, -11.6450

# Trichromacy



## Original Color

118.8800, -20.1600, -75.2000



## Deuteranomaly

134.7920, 31.1390, -41.2210



## Tritanomaly

132.3900, -37.5900, -34.6300

# Monochromacy



## Original Color

118.8800, -20.1600, -75.2000



## Achromatopsia

119.0000, -0.0000, 0.0000



## Achromatomaly

119.1180, -7.2850, -27.6770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.8800, -20.1600, -75.2000 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(53, 173, 13)` looks like.

```
.text, #text, p{  
    color:rgb(53, 173, 13)  
}
```

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(53, 173, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 173, 13) }
```

## Border

The CSS property to change the border of an element to YIQ 118.8800, -20.1600, -75.2000 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(53, 173, 13) }
```

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

```
.border{ border-color:rgb(53, 173, 13) }
```

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

Here you see how a box with a 4 pixel rgb(53, 173, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 173, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 173, 13);  
box-shadow:4px 4px 4px 4px rgb(53, 173,  
13) }
```



# Background

The CSS property to change the background color of an element to YIQ 118.8800, -20.1600, -75.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 173, 13) }
```

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

```
.background{ background-color: rgb(53, 173,  
13) }
```

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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