

# Converting Colors

YIQ(93.2030, -17.8300,  
-29.3020)

Have a look what the booklet for  
YIQ(93.2030, -17.8300, -29.3020)  
contains.

<b>YIQ(93.2030, -17.8300, -29.3020)</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(93.2030, -17.8300,  
-29.3020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3A753F
RGB	58, 117, 63
RGB Percent	23%, 46%, 25%
CMY	0.7727, 0.5411, 0.7530
CMYK	0.50, 0.00, 0.46, 0.54
HSL	125°, 34%, 34%
HSV	125°, 50%, 46%
XYZ	9.0035, 13.9853, 6.9265
YIQ	93.2030, -17.8300, -29.3020

# Conversions

## Conversions Part 2

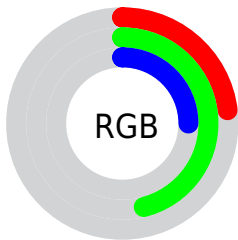
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 112, 117
Decimal	3831103
CIELab	44.21, -31.61, 23.97
CIElCh	44, 39.672, 142.819
Yxy	13.9853, 0.3010, 0.4675
Android (android.graphics.Color)	4282021183 (0xFF3A753F)
YUV	93.2030, -14.8901, -30.8730
Hunter-Lab	37.3970, -22.4700, 15.1965

# Details

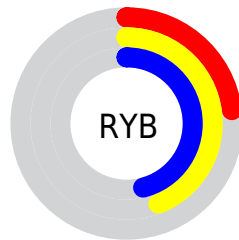
The YIQ color **93.2030, -17.8300, -29.3020** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **81.7970, 17.8300, 29.3020**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.1490, -17.7380, -30.9700**, and **41.9680, -24.4780, -29.9660** is the 20% darker color. If you saturate the color by 10%, you get **88.3610, -21.4510, -35.2670**, and if you desaturate by 10%, it is **98.0450, -14.2090, -23.3370**.

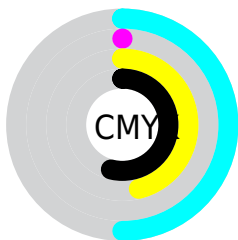
# Distribution



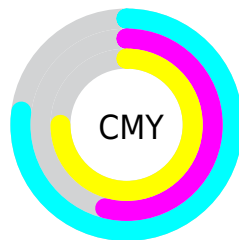
- Red (23%)
- Green (46%)
- Blue (25%)



- Red (23%)
- Yellow (44%)
- Blue (46%)



- Cyan (50%)
- Magenta (0%)
- Yellow (46%)
- Black (54%)



- Cyan (77%)
- Magenta (54%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.2030, -17.8300, -29.3020 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 93.2030, -17.8300, -29.3020 by changing the saturation by 10% instead.



■ 93.2030, -17.8300,  
-29.3020

■ 93.2030, -17.8300,  
-29.3020

■ 255.0000, -0.0000,  
-0.0000

■ 68.1320, -19.0680,  
-28.8920

■ 145.1490,  
-17.7380, -30.9700

■ 41.9680, -24.4780,  
-29.9660

■ 171.9210,  
-17.0960, -31.5920

■ 26.4150, -12.3750,  
-23.5350

■ 199.5080,  
-17.3710, -32.1150

■ 13.5010, -6.3250,  
-12.0290

■ 227.9810,  
-17.3250, -32.9490

■ 0.0000, 0.0000,  
0.0000

■ 240.1320, -9.9000,  
-18.8280

■ 252.1090, -1.9250,

-3.6610

■ 93.2030, -17.8300,  
-29.3020

■ 93.2030, -17.8300,  
-29.3020

■ 88.3610, -21.4510,  
-35.2670

■ 98.0450, -14.2090,  
-23.3370

■ 83.9320, -24.7970,  
-40.7090

■ 102.4740,  
-10.8630, -17.8950

■ 79.0900, -28.4180,  
-46.6740

■ 107.3160, -7.2420,  
-11.9300

■ 74.2480, -32.0390,  
-52.6390

■ 112.1580, -3.6210,  
-5.9650

■ 69.8190, -35.3850,  
-58.0810

■ 116.7010, -0.5960,  
-0.2120

■ 121.4290, 3.3460,  
5.4420

■ 126.2710, 6.9670,  
11.4070

■ 131.1130, 10.5880,  
17.3720

■ 135.5420, 13.9340,  
22.8140

# Harmonies

## Analogous

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



98.4320, 15.3180, -24.3140



93.2030, -17.8300, -29.3020



81.2700, -63.4950, -33.2150

# Triad

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



93.2030, -17.8300, -29.3020



83.9500, -84.8200, -4.6600



103.7680, 51.1640, 19.9000

# Complementary

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



93.2030, -17.8300, -29.3020



81.7970, 17.8300, 29.3020

# 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.



105.7470, 38.4620, 29.8380



93.2030, -17.8300, -29.3020



104.7300, -24.7620, 19.2540

# Square

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



93.2030, -17.8300, -29.3020



87.0500, -82.5260, -13.1980



107.9750, 11.4570, 29.1610



103.7440, 50.5710, 3.1070



# Rectangle

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



93.2030, -17.8300, -29.3020



84.4790, -71.1530, -26.5850



107.9750, 11.4570, 29.1610



104.7340, 48.5040, 24.0560

# Sweetspot

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



93.2030, -17.8300, -29.3020



143.7290, -6.9670, -11.4070



108.7790, 15.9590, -19.4090



71.3320, -4.1710, -7.0110



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



93.2030, -17.8300, -29.3020



115.5030, -28.1430, -46.1510



96.5090, -27.1390, -20.2830



56.5220, -1.6500, -3.1380



72.7540, -36.7600, -60.6960



149.1440, -75.4910, -124.2190



# Inverse Universe

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



81.7970, 17.8300, 29.3020



97.4970, 28.1430, 46.1510



78.4910, 27.1390, 20.2830



55.3640, 1.9710, 2.8270



49.2460, 36.7600, 60.6960

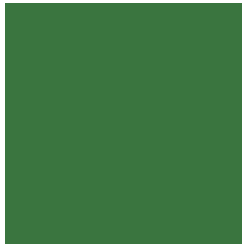


100.8560, 75.4910, 124.2190



# Previews

## White Background



This preview shows how the YIQ color 93.2030, -17.8300, -29.3020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

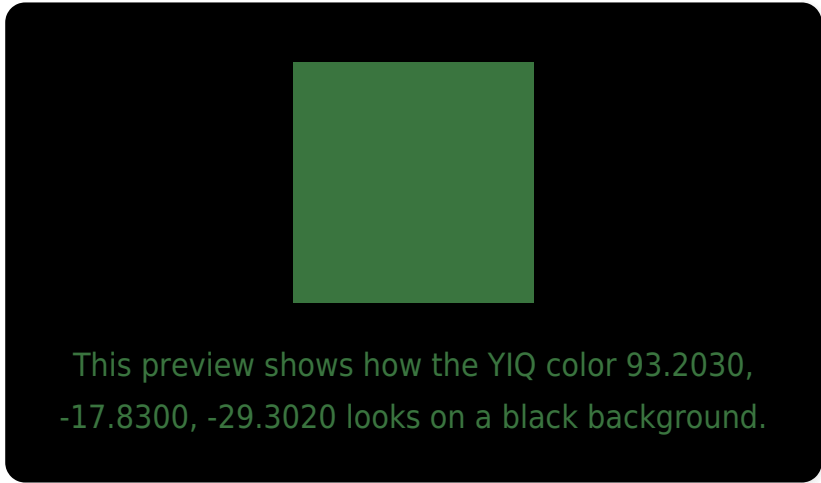
Any Text WCAG AA ✓ Pass

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](#).

# YIQ 93.2030, -17.8300, -29.3020

## Background



This preview shows how black text looks on a background with the YIQ color 93.2030, -17.8300, -29.3020.



This preview shows how white text looks on a background with the YIQ color 93.2030, -17.8300,



# 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

93.2030, -17.8300, -29.3020

### Protanopia

101.7460, 20.7260, -12.1860

### Deuteranopia

103.1260, 25.7680, -4.4400



## Tritanopia

100.0660, -26.7290, -5.6810

# Trichromacy



## Original Color

93.2030, -17.8300, -29.3020

## Protanomaly

98.9290, 6.7890, -18.4190

## Deuteranomaly

99.9450, 9.8600, -13.5000

## Tritanomaly

97.3510, -23.5180, -14.3180

# Monochromacy



## Original Color

93.2030, -17.8300, -29.3020

## Achromatopsia

93.0000, -0.0000, -0.0000

## Achromatomaly

93.1420, -6.6920, -10.8840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.2030, -17.8300, -29.3020 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(58, 117, 63)` looks like.

```
.text, #text, p{  
    color:rgb(58, 117, 63)  
}
```

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(58, 117, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 117, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 93.2030, -17.8300, -29.3020 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(58, 117, 63) }
```



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

```
.border{ border-color:rgb(58, 117, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 117, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 117, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 117, 63);  
box-shadow:4px 4px 4px 4px rgb(58, 117,  
63) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.2030, -17.8300, -29.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 117, 63) }
```

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

```
.background{ background-color: rgb(58, 117,  
63) }
```

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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