

# Converting Colors

YIQ(191.2480, 65.3860,  
-28.6140)

Have a look what the booklet for  
YIQ(191.2480, 65.3860, -28.6140)  
contains.

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# Color

**YIQ(191.2480, 65.3860,  
-28.6140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC046
RGB	236, 192, 70
RGB Percent	93%, 75%, 27%
CMY	0.0745, 0.2471, 0.7251
CMYK	0.00, 0.19, 0.70, 0.07
HSL	44°, 81%, 60%
HSV	44°, 70%, 93%
XYZ	54.5484, 55.9685, 13.7373
YIQ	191.2480, 65.3860, -28.6140

# Conversions

## Conversions Part 2

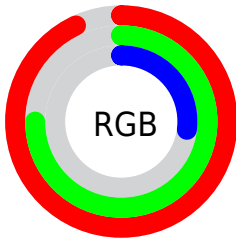
Format	Color
<a href="#">RYB</a>	<a href="#">130, 236, 70</a>
Decimal	<a href="#">15515718</a>
CIELab	<a href="#">79.60, 3.46, 64.51</a>
CIELCh	<a href="#">80, 64.603, 86.928</a>
Yxy	<a href="#">55.9685, 0.4390, 0.4504</a>
Android (android.graphics.Color)	<a href="#">4293705798 (0xFFECC046)</a>
YUV	<a href="#">191.2480, -59.7753, 39.2475</a>
Hunter-Lab	<a href="#">74.8121, -0.7699, 41.4814</a>

# Details

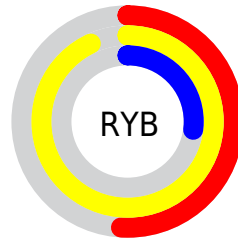
The YIQ color **191.2480, 65.3860, -28.6140** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **114.7520, -65.3860, 28.6140**, and the grayscale version is **192.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.0710, 43.6550, -36.7690**, and **134.2170, 66.6710, -35.3850** is the 20% darker color. If you saturate the color by 10%, you get **184.9900, 74.7400, -32.9400**, and if you desaturate by 10%, it is **197.5060, 56.0320, -24.2880**.

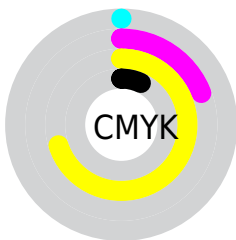
# Distribution



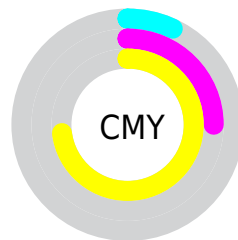
- Red (93%)
- Green (75%)
- Blue (27%)



- Red (51%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (19%)
- Yellow (70%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 191.2480, 65.3860, -28.6140 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 191.2480, 65.3860, -28.6140 by changing the saturation by 10% instead.



191.2480, 65.3860,  
-28.6140

191.2480, 65.3860,  
-28.6140

255.0000, -0.0000,  
-0.0000

163.1230, 64.2400,  
-29.8720

236.0710, 43.6550,  
-36.7690

134.2170, 66.6710,  
-35.3850

243.2580, 33.0630,  
-32.0330

110.8710, 56.2620,  
-28.4580

246.4500, 24.0750,  
-23.3250

87.8240, 46.4490,  
-21.3190

249.7560, 14.7660,  
-14.3060

65.9510, 36.0860,  
-15.2260

253.0620, 5.4570,  
-5.2870

45.5510, 25.7690,  
-9.9670

25.4500, 16.0480,

-4.4960

■ 1.1960, 2.3840,  
0.8480

■ 0.0000, 0.0000,  
0.0000

■ 191.2480, 65.3860,  
-28.6140

■ 191.2480, 65.3860,  
-28.6140

■ 184.9900, 74.7400,  
-32.9400

■ 197.5060, 56.0320,  
-24.2880

■ 178.2590, 84.0480,  
-36.4320

■ 204.2370, 46.7240,  
-20.7960

■ 172.1150, 93.0810,  
-40.4470

■ 210.4950, 37.3700,  
-16.4700

■ 216.6390, 28.3370,  
-12.4550

■ 222.8970, 18.9830,  
-8.1290

■ 229.7420, 9.3540,  
-4.3260

■ 235.8860, 0.3210,  
-0.3110

■ 241.6880, -7.7490,  
2.7710

■ 245.2100, -9.3990,  
-0.3670

# Harmonies

## Analogous

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



186.5060, 74.3680, -4.1600



191.2480, 65.3860, -28.6140



185.6550, 21.0990, -46.4930

# Triad

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



191.2480, 65.3860, -28.6140



161.1620, -142.4000, -40.4480



198.6480, 26.4000, 50.2080

# Complementary

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



191.2480, 65.3860, -28.6140



114.7520, -65.3860, 28.6140

# 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.



193.5890, -19.8110, 23.1410



191.2480, 65.3860, -28.6140



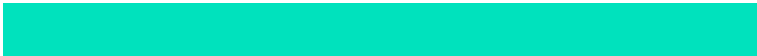
158.2100, -142.3550, -35.7550

# Square

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



191.2480, 65.3860, -28.6140



154.2080, -122.8190, -59.4190



151.7860, -134.9290, -27.1610



184.2570, 46.2540, 42.8140



# Rectangle

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



191.2480, 65.3860, -28.6140



178.8920, -19.2930, -52.3570



151.7860, -134.9290, -27.1610



200.0550, 17.6440, 43.6920

# Sweetspot

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



191.2480, 65.3860, -28.6140



240.6260, 21.1840, -9.4720



124.6500, 84.8120, 48.8760



119.0690, 12.7470, -5.2450



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



191.2480, 65.3860, -28.6140



197.1450, 84.3690, -36.7430



205.4150, 30.0420, -59.8940



113.9850, 4.3560, -1.8520



132.1900, 71.3010, -31.1870



39.0390, 21.4590, -8.9490



# Inverse Universe

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



114.7520, -65.3860, 28.6140



98.8550, -84.3690, 36.7430



100.5850, -30.0420, 59.8940



109.0150, -4.3560, 1.8520



48.8100, -71.3010, 31.1870



14.3740, -21.1840, 9.4720



# Previews

## White Background



This preview shows how the YIQ color 191.2480, 65.3860, -28.6140 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 191.2480, 65.3860, -28.6140 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 191.2480, 65.3860, -28.6140

## Background



This preview shows how black text looks on a background with the YIQ color 191.2480, 65.3860, -28.6140.



This preview shows how white text looks on a background with the YIQ color 191.2480, 65.3860, -28.6140.

-28.6140.

# 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

191.2480, 65.3860, -28.6140

### Protanopia

190.5130, 54.1540, -34.3100

### Deuteranopia

192.1180, 71.8040, -23.7800



## Tritanopia

201.0310, 34.2460, 18.1340

# Trichromacy



## Original Color

191.2480, 65.3860, -28.6140

## Protanomaly

190.7200, 58.0050, -32.5150

## Deuteranomaly

191.3950, 69.4660, -25.4620

## Tritanomaly

197.3520, 45.8030, 1.4110

# Monochromacy



## Original Color

191.2480, 65.3860, -28.6140

## Achromatopsia

191.0000, -0.0000, -0.0000

## Achromatomaly

190.7680, 23.6600, -10.2920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 191.2480, 65.3860, -28.6140 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(236, 192, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 192, 70)  
}
```

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(236, 192, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 192, 70) }
```

## Border

The CSS property to change the border of an element to YIQ 191.2480, 65.3860, -28.6140 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(236, 192, 70) }
```



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

```
.border{ border-color:rgb(236, 192, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 192, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 192, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 192, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 192,  
70) }
```

# Background

The CSS property to change the background color of an element to YIQ 191.2480, 65.3860, -28.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 192, 70) }
```

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

```
.background{ background-color: rgb(236,  
192, 70) }
```

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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