

# Converting Colors

YIQ(192.5600, 73.1350,  
-31.3850)

Have a look what the booklet for  
YIQ(192.5600, 73.1350, -31.3850)  
contains.

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# Color

**YIQ(192.5600, 73.1350,  
-31.3850)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F3C13A                      |
| RGB         | 243, 193, 58                |
| RGB Percent | 95%, 76%, 23%               |
| CMY         | 0.0470, 0.2432, 0.7721      |
| CMYK        | 0.00, 0.21, 0.76, 0.05      |
| HSL         | 44°, 89%, 59%               |
| HSV         | 44°, 76%, 95%               |
| XYZ         | 56.7967, 57.4933, 12.1202   |
| YIQ         | 192.5600, 73.1350, -31.3850 |

# Conversions

## Conversions Part 2

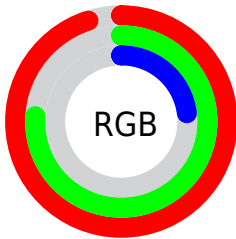
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 127, 243, 58                   |
| Decimal                             | 15974714                       |
| CIELab                              | 80.46, 5.39, 70.10             |
| CIELCh                              | 80, 70.302, 85.607             |
| Yxy                                 | 57.4933, 0.4493,<br>0.4548     |
| Android<br>(android.graphics.Color) | 4294164794<br>(0xFFFF3C13A)    |
| YUV                                 | 192.5600, -66.3381,<br>44.2359 |
| Hunter-Lab                          | 75.8243, 1.0142,<br>43.5997    |

# Details

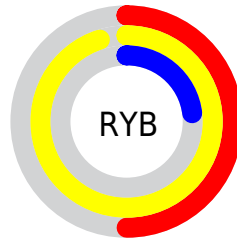
The YIQ color **192.5600, 73.1350, -31.3850** is a light color, and the websafe version is hex **FFCC33**, and the color name is **amur cork tree (kihada)**. The color can be described as light washed yellow. A complement of this color would be **108.4400, -73.1350, 31.3850**, and the grayscale version is **193.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **235.4040, 46.9110, -40.7130**, and **136.5980, 69.9720, -34.6360** is the 20% darker color. If you saturate the color by 10%, you get **185.7150, 82.7640, -35.1880**, and if you desaturate by 10%, it is **199.4050, 63.5060, -27.5820**.

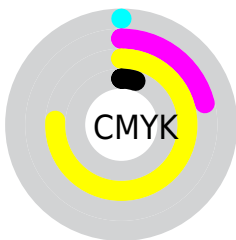
# Distribution



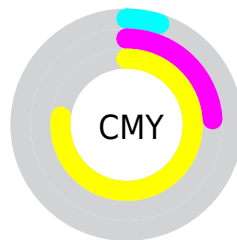
- Red (95%)
- Green (76%)
- Blue (23%)



- Red (50%)
- Yellow (95%)
- Blue (23%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (5%)



- Cyan (5%)
- Magenta (24%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 192.5600, 73.1350, -31.3850 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 192.5600, 73.1350, -31.3850 by changing the saturation by 10% instead.



192.5600, 73.1350,  
-31.3850

192.5600, 73.1350,  
-31.3850

255.0000, -0.0000,  
-0.0000

163.5660, 72.9980,  
-34.4100

235.5180, 46.5900,  
-40.4020

136.5980, 69.9720,  
-34.6360

242.1180, 36.2730,  
-35.1430

113.2520, 59.5630,  
-27.7090

245.4240, 26.9640,  
-26.1240

89.9060, 49.1540,  
-20.7820

248.6160, 17.9760,  
-17.4160

67.7340, 38.1950,  
-14.9010

251.9220, 8.6670,  
-8.3970

46.7470, 28.1530,  
-9.1190

27.5320, 18.7530,

-3.9590

■ 4.7840, 9.5360,  
3.3920

■ 0.0000, 0.0000,  
0.0000

■ 192.5600, 73.1350,  
-31.3850

■ 192.5600, 73.1350,  
-31.3850

■ 185.7150, 82.7640,  
-35.1880

■ 199.4050, 63.5060,  
-27.5820

■ 179.4570, 92.1180,  
-39.5140

■ 205.7770, 53.8310,  
-22.9450

■ 176.5560, 96.1530,  
-41.0550

■ 212.6220, 44.2020,  
-19.1420

■ 218.8800, 34.8480,  
-14.8160

■ 225.8390, 24.8980,  
-10.7020

■ 232.0970, 15.5440,  
-6.3760

■ 238.9420, 5.9150,  
-2.5730

■ 245.9010, -4.0350,  
1.5410

■ 249.6510, -6.3270,  
-0.9750

# Harmonies

## Analogous

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



185.2350, 76.5690, -5.5030



192.5600, 73.1350, -31.3850



186.6460, 25.3180, -51.3700

# Triad

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



192.5600, 73.1350, -31.3850



164.6670, -145.3800, -41.5080



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.



192.5600, 73.1350, -31.3850



108.4400, -73.1350, 31.3850

# 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.



193.2680, -23.3410, 21.0350



192.5600, 73.1350, -31.3850



161.1450, -143.7300, -38.3700

# Square

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



192.5600, 73.1350, -31.3850



156.9150, -123.5520, -62.6560



152.3400, -139.6050, -30.5250



182.5930, 45.4280, 46.7720



# Rectangle

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



192.5600, 73.1350, -31.3850



180.0290, -18.4210, -57.1490



152.3400, -139.6050, -30.5250



201.5390, 19.1570, 43.8050

# Sweetspot

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



192.5600, 73.1350, -31.3850



238.8820, 23.3390, -9.9810



119.2430, 93.5680, 55.3920



118.0260, 14.3060, -5.9660



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.



192.5600, 73.1350, -31.3850



191.5710, 91.7970, -39.2030



209.9500, 35.5450, -66.0150



118.8710, 4.6770, -2.1630



135.4460, 73.4560, -31.6960



42.8820, 23.3390, -9.9810



# Inverse Universe

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



108.4400, -73.1350, 31.3850



86.4290, -91.7970, 39.2030



91.0500, -35.5450, 66.0150



113.1290, -4.6770, 2.1630



50.5540, -73.4560, 31.6960



16.1180, -23.3390, 9.9810



# Previews

## White Background



This preview shows how the YIQ color 192.5600, 73.1350, -31.3850 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 192.5600, 73.1350, -31.3850 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 192.5600, 73.1350, -31.3850

## Background



This preview shows how black text looks on a background with the YIQ color 192.5600, 73.1350, -31.3850.



This preview shows how white text looks on a background with the YIQ color 192.5600, 73.1350, -31.3850.

-31.3850.

# 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

192.5600, 73.1350, -31.3850

### Protanopia

191.2160, 59.2440, -38.4520

### Deuteranopia

193.3050, 78.4070, -27.8090



## Tritanopia

203.1240, 38.4180, 19.6180

# Trichromacy



## Original Color

192.5600, 73.1350, -31.3850

## Protanomaly

191.4340, 64.5620, -35.7100

## Deuteranomaly

192.9950, 76.3440, -28.9680

## Tritanomaly

199.5760, 50.9840, 1.1280

# Monochromacy



## Original Color

192.5600, 73.1350, -31.3850

## Achromatopsia

193.0000, -0.0000, -0.0000

## Achromatomaly

192.7960, 26.4570, -11.4230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 192.5600, 73.1350, -31.3850 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(243, 193, 58)` looks like.

```
.text, #text, p{  
    color:rgb(243, 193, 58)  
}
```

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(243, 193, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 193, 58) }
```

## Border

The CSS property to change the border of an element to YIQ 192.5600, 73.1350, -31.3850 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(243, 193, 58) }
```



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

```
.border{ border-color:rgb(243, 193, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 193, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 193, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 193, 58);  
box-shadow:4px 4px 4px 4px rgb(243, 193,  
58) }
```

# Background

The CSS property to change the background color of an element to YIQ 192.5600, 73.1350, -31.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 193, 58) }
```

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

```
.background{ background-color: rgb(243,  
193, 58) }
```

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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