

# Converting Colors

YIQ(193.9620, 45.5800,  
-33.1080)

Have a look what the booklet for  
YIQ(193.9620, 45.5800, -33.1080)  
contains.

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# Color

**YIQ(193.9620, 45.5800,  
-33.1080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9CB57
RGB	217, 203, 87
RGB Percent	85%, 80%, 34%
CMY	0.1491, 0.2039, 0.6585
CMYK	0.00, 0.06, 0.60, 0.15
HSL	54°, 63%, 60%
HSV	54°, 60%, 85%
XYZ	51.6899, 58.1484, 17.5310
YIQ	193.9620, 45.5800, -33.1080

# Conversions

## Conversions Part 2

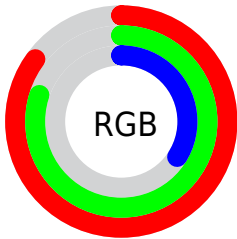
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 217, 87
Decimal	14273367
CIELab	80.82, -9.21, 58.13
CIELCh	81, 58.854, 99.002
Yxy	58.1484, 0.4058, 0.4565
Android (android.graphics.Color)	4292463447 (0xFFD9CB57)
YUV	193.9620, -52.7323, 20.2043
Hunter-Lab	76.2551, -12.4492, 39.7478

# Details

The YIQ color **193.9620, 45.5800, -33.1080** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **110.0380, -45.5800, 33.1080**, and the grayscale version is **194.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **242.0040, 36.5940, -35.4540**, and **138.5380, 43.8380, -34.5780** is the 20% darker color. If you saturate the color by 10%, you get **190.2800, 53.1920, -38.9040**, and if you desaturate by 10%, it is **197.6440, 37.9680, -27.3120**.

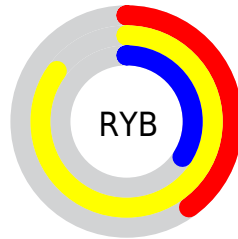
# Distribution



Red (85%)

Green (80%)

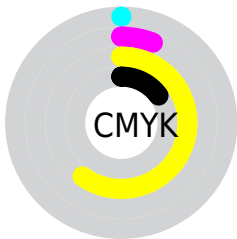
Blue (34%)



Red (40%)

Yellow (85%)

Blue (34%)

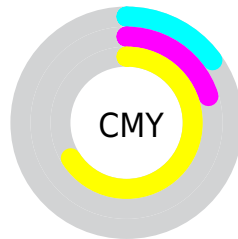


Cyan (0%)

Magenta (6%)

Yellow (60%)

Black (15%)



Cyan (15%)

Magenta (20%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 193.9620, 45.5800, -33.1080 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 193.9620, 45.5800, -33.1080 by changing the saturation by 10% instead.



■ 193.9620, 45.5800,  
-33.1080

■ 193.9620, 45.5800,  
-33.1080

■ 255.0000, -0.0000,  
-0.0000

■ 166.3640, 44.3880,  
-33.5320

■ 242.0040, 36.5940,  
-35.4540

■ 138.5380, 43.8380,  
-34.5780

■ 245.1960, 27.6060,  
-26.7460

■ 111.9570, 43.9760,  
-37.0800

■ 248.3880, 18.6180,  
-18.0380

■ 89.2090, 34.7590,  
-29.7290

■ 251.5800, 9.6300,  
-9.3300

■ 67.0480, 25.2670,  
-22.9010

■ 46.3600, 15.8210,  
-16.9070

■ 26.8570, 7.2920,

-11.0120

■ 3.5220, -1.6500,  
-3.1380

■ 0.0000, 0.0000,  
0.0000

■ 193.9620, 45.5800,  
-33.1080

■ 193.9620, 45.5800,  
-33.1080

■ 190.2800, 53.1920,  
-38.9040

■ 197.6440, 37.9680,  
-27.3120

■ 186.1250, 60.7580,  
-43.8660

■ 201.7990, 30.4020,  
-22.3500

■ 182.4430, 68.3700,  
-49.6620

■ 205.4810, 22.7900,  
-16.5540

■ 178.7610, 75.9820,  
-55.4580

■ 209.1630, 15.1780,  
-10.7580

■ 213.4320, 7.2910,  
-5.4850

■ 217.0000, -0.0000,  
0.0000

■ 220.6820, -7.6120,  
5.7960

■ 224.2670,  
-13.5730, 9.2030

■ 225.4410,  
-14.1230, 8.1570

# Harmonies

## Analogous

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



195.3110, 70.2430, -12.0050



193.9620, 45.5800, -33.1080



187.3890, -1.4590, -45.1630

# Triad

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



193.9620, 45.5800, -33.1080



161.7320, -144.0050, -38.8930



197.6390, 30.6190, 45.3310

# Complementary

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



193.9620, 45.5800, -33.1080



110.0380, -45.5800, 33.1080

# Split Complementary

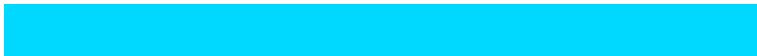
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



202.6030, 3.9370, 33.2890



193.9620, 45.5800, -33.1080



156.4490, -141.5300, -34.1860

# Square

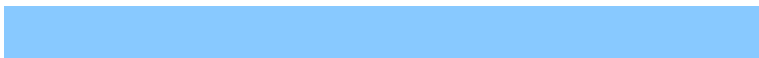
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



193.9620, 45.5800, -33.1080



159.0470, -132.3110, -52.5910



187.7210, -56.0740, 3.0140



187.8470, 49.9240, 31.3640



# Rectangle

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



193.9620, 45.5800, -33.1080



179.3810, -42.5390, -49.5710



187.7210, -56.0740, 3.0140



202.7570, 24.4750, 46.5470

# Sweetspot

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



193.9620, 45.5800, -33.1080



246.8210, 16.1410, -11.6910



127.5800, 72.6650, 32.2250



122.3460, 10.4090, -6.9270



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.



193.9620, 45.5800, -33.1080



222.2840, 64.5640, -46.7640



187.2300, 11.9300, -51.0300



107.5720, 4.0810, -2.3750



142.7120, 60.4830, -44.3890



37.8210, 16.1410, -11.6910



# Inverse Universe

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



110.0380, -45.5800, 33.1080



103.7160, -64.5640, 46.7640



116.7700, -11.9300, 51.0300



100.8410, -3.8060, 2.8980



30.8750, -60.7580, 43.8660



8.1790, -16.1410, 11.6910



# Previews

## White Background



This preview shows how the YIQ color 193.9620, 45.5800, -33.1080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

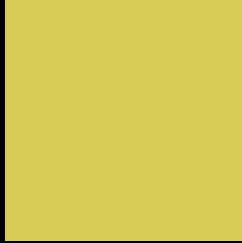
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 193.9620, 45.5800, -33.1080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

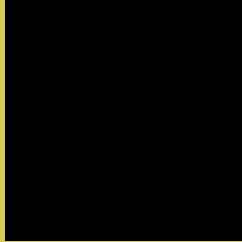
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 193.9620, 45.5800, -33.1080

## Background



This preview shows how black text looks on a background with the YIQ color 193.9620, 45.5800, -33.1080.



This preview shows how white text looks on a background with the YIQ color 193.9620, 45.5800, -33.1080.

-33.1080.

# 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

193.9620, 45.5800, -33.1080

### Protanopia

194.4680, 50.0270, -31.1010

### Deuteranopia

196.5290, 66.3930, -19.3270



## Tritanopia

203.6590, 17.5580, 12.1980

# Trichromacy



## Original Color

193.9620, 45.5800, -33.1080

## Protanomaly

194.4570, 48.5600, -32.0480

## Deuteranomaly

195.4740, 59.0580, -24.0620

## Tritanomaly

199.9090, 27.8770, -4.1150

# Monochromacy



## Original Color

193.9620, 45.5800, -33.1080

## Achromatopsia

194.0000, -0.0000, 0.0000

## Achromatomaly

193.7070, 16.4620, -12.0020

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 193.9620, 45.5800, -33.1080 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(217, 203, 87)` looks like.

```
.text, #text, p{  
    color:rgb(217, 203, 87)  
}
```

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(217, 203, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 203, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 193.9620, 45.5800, -33.1080 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(217, 203, 87) }
```



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

```
.border{ border-color:rgb(217, 203, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 203, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 203, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 203, 87);  
box-shadow:4px 4px 4px 4px rgb(217, 203,  
87) }
```

# Background

The CSS property to change the background color of an element to YIQ 193.9620, 45.5800, -33.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 203, 87) }
```

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

```
.background{ background-color: rgb(217,  
203, 87) }
```

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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