

# Converting Colors

YIQ(212.0240, 59.0640,  
-57.2240)

Have a look what the booklet for  
YIQ(212.0240, 59.0640, -57.2240)  
contains.

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# Color

**YIQ(212.0240, 59.0640,  
-57.2240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E931
RGB	233, 233, 49
RGB Percent	91%, 91%, 19%
CMY	0.0864, 0.0863, 0.8074
CMYK	0.00, 0.00, 0.79, 0.09
HSL	60°, 81%, 55%
HSV	60°, 79%, 91%
XYZ	63.2899, 75.8188, 14.2151
YIQ	212.0240, 59.0640, -57.2240

# Conversions

## Conversions Part 2

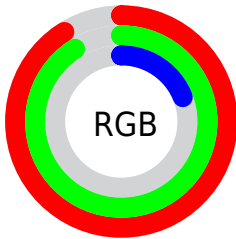
Format	Color
R <sub>Y</sub> B	49, 233, 49
Decimal	15329585
CIE Lab	89.78, -19.31, 80.91
CIE LCh	90, 83.183, 103.422
Yxy	75.8188, 0.4128, 0.4945
Android (android.graphics.Color)	4293519665 (0xFFE9E931)
YUV	212.0240, -80.3708, 18.3960
Hunter-Lab	87.0740, -22.6364, 51.2725

# Details

The YIQ color **212.0240, 59.0640, -57.2240** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **69.9760, -59.0640, 57.2240**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **238.6980, 45.9030, -44.4730**, and **156.2130, 54.1580, -56.4180** is the 20% darker color. If you saturate the color by 10%, you get **209.4020, 66.4470, -64.3770**, and if you desaturate by 10%, it is **214.6460, 51.6810, -50.0710**.

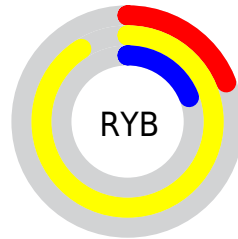
# Distribution



Red (91%)

Green (91%)

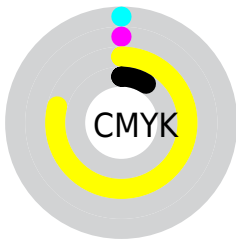
Blue (19%)



Red (19%)

Yellow (91%)

Blue (19%)

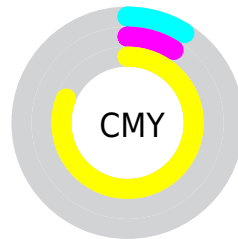


Cyan (0%)

Magenta (0%)

Yellow (79%)

Black (9%)



Cyan (9%)

Magenta (9%)


Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.0240, 59.0640, -57.2240 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 212.0240, 59.0640, -57.2240 by changing the saturation by 10% instead.





 212.0240, 59.0640,  
-57.2240


 212.0240, 59.0640,  
-57.2240


255.0000, -0.0000,  
-0.0000


 181.0320, 64.6130,  
-64.1790

 238.6980, 45.9030,  
-44.4730


 156.2130, 54.1580,  
-56.4180


 242.0040, 36.5940,  
-35.4540


 131.6930, 44.2990,  
-48.4450


 245.3100, 27.2850,  
-26.4350

 107.7600, 34.1650,  
-40.9950

 248.6160, 17.9760,  
-17.4160

 85.3000, 24.0770,  
-34.3790

 252.0360, 8.3460,  
-8.0860

 63.1390, 14.5850,  
-27.5510

 41.5650, 4.8180,

-21.2460

■ 20.5670, -6.6910,  
-16.4110

■ 0.0000, 0.0000,  
0.0000

■ 212.0240, 59.0640,  
-57.2240

■ 212.0240, 59.0640,  
-57.2240

■ 209.4020, 66.4470,  
-64.3770

■ 214.6460, 51.6810,  
-50.0710

■ 206.7800, 73.8300,  
-71.5300

■ 217.3820, 43.9770,  
-42.6070

■ 206.4380, 74.7930,  
-72.4630

■ 220.0040, 36.5940,  
-35.4540

■ 222.6260, 29.2110,  
-28.3010

■ 225.3620, 21.5070,  
-20.8370

■ 227.9840, 14.1240,  
-13.6840

■ 230.6060, 6.7410,  
-6.5310

■ 233.3420, -0.9630,  
0.9330

■ 235.5080, -7.0620,  
6.8420

# Harmonies

## Analogous

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



204.2350, 75.4280, -34.3960



212.0240, 59.0640, -57.2240



201.7220, -16.5390, -69.2350

# Triad

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



212.0240, 59.0640, -57.2240



178.7550, -151.9800, -54.0600



197.4740, 26.9500, 51.2540

# Complementary

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



212.0240, 59.0640, -57.2240



69.9760, -59.0640, 57.2240

# 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.



216.2580, 18.1500, 34.5180



212.0240, 59.0640, -57.2240



174.0590, -149.7800, -49.8760

# Square

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



212.0240, 59.0640, -57.2240



178.7550, -151.9800, -54.0600



200.3360, -62.7200, -8.7040



186.2970, 48.7770, 35.6330



# Rectangle

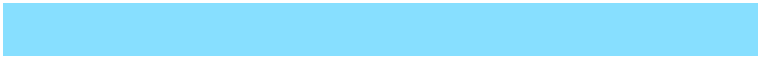
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



212.0240, 59.0640, -57.2240



166.8990, -118.5960, -86.4040



200.3360, -62.7200, -8.7040



202.7570, 24.4750, 46.5470

# Sweetspot

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



212.0240, 59.0640, -57.2240



248.0460, 19.5810, -18.9710



104.0160, 109.6640, 39.0080



123.4830, 11.2810, -11.7190



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.



212.0240, 59.0640, -57.2240



227.4120, 77.6820, -75.2620



184.5160, 4.2320, -76.7280



115.7460, 3.5310, -3.4210



160.3660, 58.1010, -56.2910



47.8440, 17.3340, -16.7940



# Inverse Universe

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



69.9760, -59.0640, 57.2240



40.5880, -77.6820, 75.2620



97.4840, -4.2320, 76.7280



107.2540, -3.5310, 3.4210



20.6340, -58.1010, 56.2910

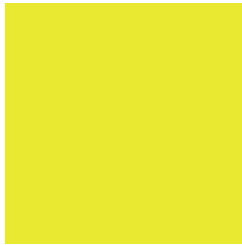


6.1560, -17.3340, 16.7940



# Previews

## White Background



This preview shows how the YIQ color 212.0240, 59.0640, -57.2240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

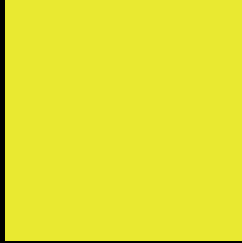
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 212.0240, 59.0640, -57.2240 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 212.0240, 59.0640, -57.2240

## Background



This preview shows how black text looks on a background with the YIQ color 212.0240, 59.0640, -57.2240.



This preview shows how white text looks on a background with the YIQ color 212.0240, 59.0640, -57.2240.

-57.2240.

# 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

212.0240, 59.0640, -57.2240

### Protanopia

213.9660, 74.1470, -49.7330

### Deuteranopia

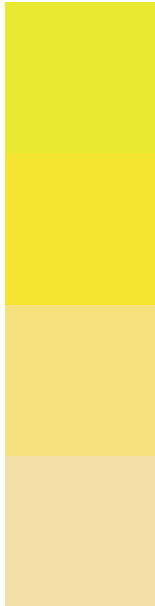
224.9930, 36.2680, -7.5080



## Tritanopia

228.2070, 13.0190, 11.8590

# Trichromacy



## Original Color

212.0240, 59.0640, -57.2240

## Protanomaly

213.4490, 68.2330, -52.6870

## Deuteranomaly

220.4060, 44.5700, -25.8140

## Tritanomaly

222.5960, 29.8960, -13.1760

# Monochromacy



## Original Color

212.0240, 59.0640, -57.2240

## Achromatopsia

212.0000, -0.0000, -0.0000

## Achromatomaly

212.3620, 21.5070, -20.8370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.0240, 59.0640, -57.2240 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(233, 233, 49)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 49)  
}
```

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(233, 233, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 49) }
```

## Border

The CSS property to change the border of an element to YIQ 212.0240, 59.0640, -57.2240 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(233, 233, 49) }
```



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

```
.border{ border-color:rgb(233, 233, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 49);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
49) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.0240, 59.0640, -57.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 49) }
```

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

```
.background{ background-color: rgb(233,  
233, 49) }
```

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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