

# Converting Colors

YIQ(212.0650, 51.8190,  
-52.5730)

Have a look what the booklet for  
YIQ(212.0650, 51.8190, -52.5730)  
contains.

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# Color

**YIQ(212.0650, 51.8190,  
-52.5730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E841
RGB	229, 232, 65
RGB Percent	90%, 91%, 25%
CMY	0.1021, 0.0902, 0.7447
CMYK	0.01, 0.00, 0.72, 0.09
HSL	61°, 78%, 58%
HSV	61°, 72%, 91%
XYZ	62.1175, 74.7497, 16.1682
YIQ	212.0650, 51.8190, -52.5730

# Conversions

## Conversions Part 2

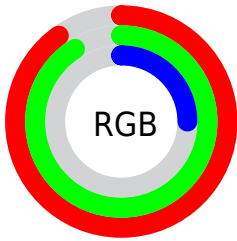
Format	Color
<a href="#">RYB</a>	65, 232, 68
Decimal	15067201
CIELab	89.28, -19.87, 75.60
CIELCh	89, 78.168, 104.725
Yxy	74.7497, 0.4059, 0.4884
Android (android.graphics.Color)	4293257281 (0xFFE5E841)
YUV	212.0650, -72.5030, 14.8520
Hunter-Lab	86.4579, -23.0542, 49.4329

# Details

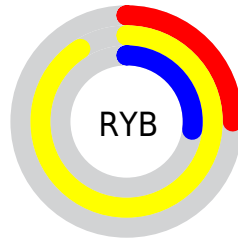
The YIQ color **212.0650, 51.8190, -52.5730** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **84.9350, -51.8190, 52.5730**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **240.0660, 42.0510, -40.7410**, and **154.7290, 52.6450, -56.5310** is the 20% darker color. If you saturate the color by 10%, you get **209.4430, 59.2020, -59.7260**, and if you desaturate by 10%, it is **214.6870, 44.4360, -45.4200**.

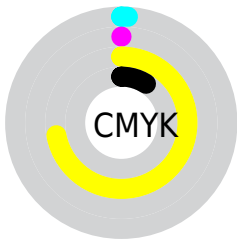
# Distribution



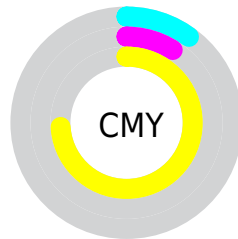
- Red (90%)
- Green (91%)
- Blue (25%)



- Red (25%)
- Yellow (91%)
- Blue (27%)



- Cyan (1%)
- Magenta (0%)
- Yellow (72%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.0650, 51.8190, -52.5730 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 212.0650, 51.8190, -52.5730 by changing the saturation by 10% instead.



212.0650, 51.8190,  
-52.5730

212.0650, 51.8190,  
-52.5730

255.0000, -0.0000,  
-0.0000

182.5550, 53.1950,  
-55.4850

240.0660, 42.0510,  
-40.7410

154.7290, 52.6450,  
-56.5310

243.2580, 33.0630,  
-32.0330

130.2090, 42.7860,  
-48.5580

246.5640, 23.7540,  
-23.0140

106.2760, 32.6520,  
-41.1080

249.8700, 14.4450,  
-13.9950

84.1150, 23.1600,  
-34.2800

253.2900, 4.8150,  
-4.6650

61.6550, 13.0720,  
-27.6640

40.3800, 3.9010,

-21.1470

■ 18.7840, -8.8000,  
-16.7360

■ 0.0000, 0.0000,  
0.0000

■ 212.0650, 51.8190,  
-52.5730

■ 212.0650, 51.8190,  
-52.5730

■ 209.4430, 59.2020,  
-59.7260

■ 214.6870, 44.4360,  
-45.4200

■ 206.5220, 65.9890,  
-67.0910

■ 217.6080, 37.6490,  
-38.0550

■ 204.3560, 72.0880,  
-73.0000

■ 220.3440, 29.9450,  
-30.5910

■ 223.2650, 23.1580,  
-23.2260

■ 225.8870, 15.7750,  
-16.0730

■ 228.8080, 8.9880,  
-8.7080

■ 231.4300, 1.6050,  
-1.5550

■ 234.1660, -6.0990,  
5.9090

■ 234.9210, -6.7870,  
7.3650

# Harmonies

## Analogous

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



205.9620, 71.9430, -31.8090



212.0650, 51.8190, -52.5730



201.9870, -18.6030, -64.8670

# Triad

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



212.0650, 51.8190, -52.5730



178.7550, -151.9800, -54.0600



199.8220, 25.8500, 49.1620

# Complementary

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



212.0650, 51.8190, -52.5730



84.9350, -51.8190, 52.5730

# 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



212.0650, 51.8190, -52.5730



171.7110, -148.6800, -47.7840

# Square

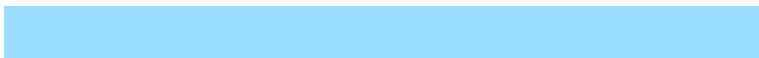
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



212.0650, 51.8190, -52.5730



178.7550, -151.9800, -54.0600



203.6580, -51.7630, -3.5310



189.4770, 48.0900, 31.5620



# Rectangle

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



212.0650, 51.8190, -52.5730



177.7490, -100.2580, -77.3300



203.6580, -51.7630, -3.5310



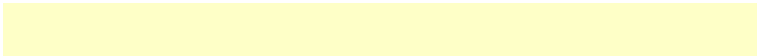
204.5180, 23.6500, 44.9780

# Sweetspot

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



212.0650, 51.8190, -52.5730



248.3170, 17.3800, -17.6280



116.6940, 98.7070, 33.8350



123.8250, 10.3180, -10.7860



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.



212.0650, 51.8190, -52.5730



228.8380, 67.9150, -68.9570



187.2480, 2.3510, -70.1690



113.6320, 3.8520, -3.7320



157.3980, 55.0750, -56.5170



44.8870, 15.7750, -16.0730



# Inverse Universe

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



84.9350, -51.8190, 52.5730



62.1620, -67.9150, 68.9570



109.7520, -2.3510, 70.1690



104.3680, -3.8520, 3.7320



21.3030, -55.6710, 56.3050

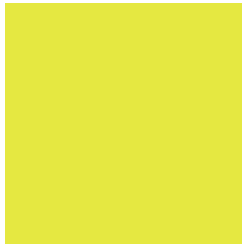


6.1130, -15.7750, 16.0730



# Previews

## White Background



This preview shows how the YIQ color 212.0650, 51.8190, -52.5730 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 212.0650, 51.8190, -52.5730 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 212.0650, 51.8190, -52.5730

## Background



This preview shows how black text looks on a background with the YIQ color 212.0650, 51.8190, -52.5730.



This preview shows how white text looks on a background with the YIQ color 212.0650, 51.8190,

-52.5730.

# 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

212.0650, 51.8190, -52.5730

### Protanopia

214.3060, 67.4980, -44.8700

### Deuteranopia

223.3630, 38.1020, -7.7060



## Tritanopia

226.8970, 10.9560, 10.7000

# Trichromacy



## Original Color

212.0650, 51.8190, -52.5730

## Protanomaly

213.7890, 61.5840, -47.8240

## Deuteranomaly

219.3890, 43.2400, -23.7360

## Tritanomaly

221.3830, 26.1820, -11.9460

# Monochromacy



## Original Color

212.0650, 51.8190, -52.5730

## Achromatopsia

212.0000, -0.0000, -0.0000

## Achromatomaly

211.8610, 18.6640, -18.8720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.0650, 51.8190, -52.5730 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(229, 232, 65)` looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 65)  
}
```

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(229, 232, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 65) }
```

## Border

The CSS property to change the border of an element to YIQ 212.0650, 51.8190, -52.5730 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(229, 232, 65) }
```



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

```
.border{ border-color:rgb(229, 232, 65) }
```

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

Here you see how a box with a 4 pixel rgb(229, 232, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 65);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
65) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.0650, 51.8190, -52.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 65) }
```

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

```
.background{ background-color: rgb(229,  
232, 65) }
```

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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