

# Converting Colors

YIQ(186.5580, 49.1130,  
-47.5830)

Have a look what the booklet for  
YIQ(186.5580, 49.1130, -47.5830)  
contains.

<b>YIQ(186.5580, 49.1130, -47.5830)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**YIQ(186.5580, 49.1130,  
-47.5830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4CC33
RGB	204, 204, 51
RGB Percent	80%, 80%, 20%
CMY	0.2001, 0.2000, 0.7997
CMYK	0.00, 0.00, 0.75, 0.20
HSL	60°, 60%, 50%
HSV	60°, 75%, 80%
XYZ	47.0873, 56.2592, 11.5186
YIQ	186.5580, 49.1130, -47.5830

# Conversions

## Conversions Part 2

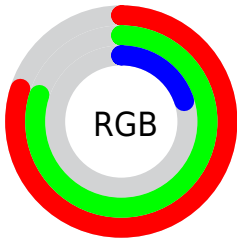
Format	Color
<a href="#">RYB</a>	<a href="#">51, 204, 51</a>
Decimal	<a href="#">13421619</a>
CIELab	<a href="#">79.76, -17.13, 70.52</a>
CIELCh	<a href="#">80, 72.567, 103.655</a>
Yxy	<a href="#">56.2592, 0.4099, 0.4898</a>
Android (android.graphics.Color)	<a href="#">4291611699 (0xFFCCCC33)</a>
YUV	<a href="#">186.5580, -66.8301, 15.2966</a>
Hunter-Lab	<a href="#">75.0061, -19.2022, 43.3992</a>

# Details

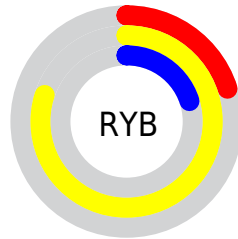
The YIQ color **186.5580, 49.1130, -47.5830** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **68.4420, -49.1130, 47.5830**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **238.3560, 46.8660, -45.4060**, and **131.7040, 45.7660, -47.4980** is the 20% darker color. If you saturate the color by 10%, you get **184.2780, 55.5330, -53.8030**, and if you desaturate by 10%, it is **188.8380, 42.6930, -41.3630**.

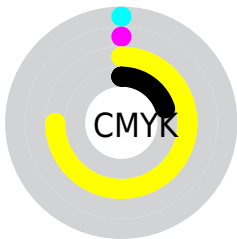
# Distribution



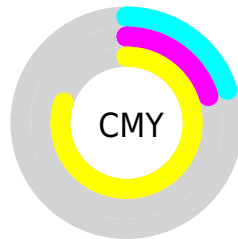
- Red (80%)
- Green (80%)
- Blue (20%)



- Red (20%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (20%)



- Cyan (20%)
- Magenta (20%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.5580, 49.1130, -47.5830 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 186.5580, 49.1130, -47.5830 by changing the saturation by 10% instead.



■ 186.5580, 49.1130,  
-47.5830

■ 186.5580, 49.1130,  
-47.5830

255.0000, -0.0000,  
-0.0000

■ 157.2500, 52.7360,  
-52.6720

■ 238.3560, 46.8660,  
-45.4060

■ 131.7040, 45.7660,  
-47.4980

■ 241.5480, 37.8780,  
-36.6980

■ 108.0700, 36.2280,  
-39.8360

■ 244.8540, 28.5690,  
-27.6790

■ 85.6100, 26.1400,  
-33.2200

■ 248.0460, 19.5810,  
-18.9710

■ 63.4490, 16.6480,  
-26.3920

■ 251.4660, 9.9510,  
-9.6410

■ 42.1740, 7.4770,  
-19.8750

254.7720, 0.6420,

■ 21.7740, -2.8400,

-0.6220

-14.6160

■ 0.0000, 0.0000,  
0.0000

■ 186.5580, 49.1130,  
-47.5830

■ 186.5580, 49.1130,  
-47.5830

■ 184.2780, 55.5330,  
-53.8030

■ 188.8380, 42.6930,  
-41.3630

■ 181.8840, 62.2740,  
-60.3340

■ 191.2320, 35.9520,  
-34.8320

■ 180.7440, 65.4840,  
-63.4440

■ 193.5120, 29.5320,  
-28.6120

■ 195.9060, 22.7910,  
-22.0810

■ 198.1860, 16.3710,  
-15.8610

■ 200.4660, 9.9510,  
-9.6410

■ 202.8600, 3.2100,  
-3.1100

■ 205.1400, -3.2100,  
3.1100

■ 207.5340, -9.9510,  
9.6410

# Harmonies

## Analogous

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



189.3320, 82.9450, -21.9430



186.5580, 49.1130, -47.5830



177.2420, -14.7070, -58.3790

# Triad

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



186.5580, 49.1130, -47.5830



162.3190, -144.2800, -39.4160



186.1440, 36.8070, 54.3350

# Complementary

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



186.5580, 49.1130, -47.5830



68.4420, -49.1130, 47.5830

# 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.



198.5710, 16.1310, 43.5790



186.5580, 49.1130, -47.5830



155.8620, -141.2550, -33.6630

# Square

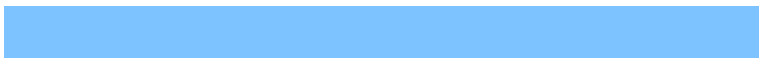
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



186.5580, 49.1130, -47.5830



161.0020, -136.4380, -49.3820



180.9100, -60.9800, 3.8200



174.7560, 60.6060, 36.0140



# Rectangle

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



186.5580, 49.1130, -47.5830



156.7230, -88.2010, -70.0650



180.9100, -60.9800, 3.8200



192.1910, 29.4250, 55.9610

# Sweetspot

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



186.5580, 49.1130, -47.5830



248.6160, 17.9760, -17.4160



96.7470, 91.1880, 32.4360



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.



186.5580, 49.1130, -47.5830



228.7800, 73.8300, -71.5300



163.8340, 3.8170, -63.6950



100.8600, 3.2100, -3.1100



147.0760, 53.2860, -51.6260



33.6680, 12.1980, -11.8180



# Inverse Universe

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



68.4420, -49.1130, 47.5830



51.5190, -73.2340, 71.7420



91.4650, -3.2210, 63.9070



93.1400, -3.2100, 3.1100



18.9240, -53.2860, 51.6260



4.3320, -12.1980, 11.8180



# Previews

## White Background



This preview shows how the YIQ color 186.5580, 49.1130, -47.5830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

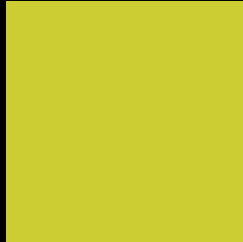
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.5580, 49.1130, -47.5830 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 186.5580, 49.1130, -47.5830

## Background



This preview shows how black text looks on a background with the YIQ color 186.5580, 49.1130, -47.5830.



This preview shows how white text looks on a background with the YIQ color 186.5580, 49.1130,

-47.5830.

# 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

186.5580, 49.1130, -47.5830

### Protanopia

188.3040, 61.8120, -40.9400

### Deuteranopia

191.1200, 77.4900, -27.7100



## Tritanopia

199.7830, 11.2770, 10.3890

# Trichromacy



## Original Color

186.5580, 49.1130, -47.5830

## Protanomaly

187.3850, 57.0900, -43.4700

## Deuteranomaly

189.5160, 67.2670, -35.1730

## Tritanomaly

194.8390, 24.8980, -10.7020

# Monochromacy



## Original Color

186.5580, 49.1130, -47.5830

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

186.7300, 17.6550, -17.1050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.5580, 49.1130, -47.5830 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(204, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 51)  
}
```

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(204, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 186.5580, 49.1130, -47.5830 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(204, 204, 51) }
```



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

```
.border{ border-color:rgb(204, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.5580, 49.1130, -47.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 51) }
```

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

```
.background{ background-color: rgb(204,  
204, 51) }
```

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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