

# Converting Colors

YIQ(186.8940, 56.3140,  
-62.4540)

Have a look what the booklet for  
YIQ(186.8940, 56.3140, -62.4540)  
contains.

<b>YIQ(186.8940, 56.3140, -62.4540)</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(186.8940, 56.3140,  
-62.4540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAD412
RGB	202, 212, 18
RGB Percent	79%, 83%, 7%
CMY	0.2080, 0.1686, 0.9290
CMYK	0.05, 0.00, 0.91, 0.17
HSL	63°, 84%, 45%
HSV	63°, 91%, 83%
XYZ	48.0015, 59.6842, 9.5666
YIQ	186.8940, 56.3140, -62.4540

# Conversions

## Conversions Part 2

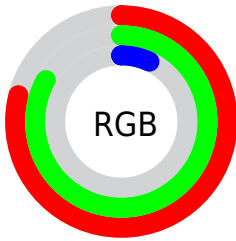
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 212, 28
Decimal	13292562
CIELab	81.67, -22.80, 79.48
CIELCh	82, 82.683, 106.006
Yxy	59.6842, 0.4094, 0.5090
Android (android.graphics.Color)	4291482642 (0xFFCAD412)
YUV	186.8940, -83.2647, 13.2480
Hunter-Lab	77.2556, -24.2891, 46.7370

# Details

The YIQ color **186.8940, 56.3140, -62.4540** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **43.1060, -56.3140, 62.4540**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.3040, 52.6440, -51.0040**, and **135.5030, 41.7780, -52.3180** is the 20% darker color. If you saturate the color by 10%, you get **184.5430, 61.4960, -68.2640**, and if you desaturate by 10%, it is **189.5870, 50.1690, -55.7110**.

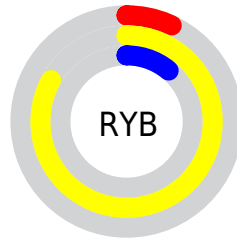
# Distribution



Red (79%)

Green (83%)

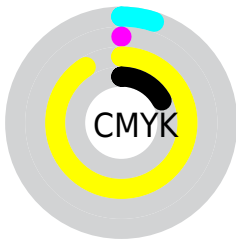
Blue (7%)



Red (7%)

Yellow (83%)

Blue (11%)

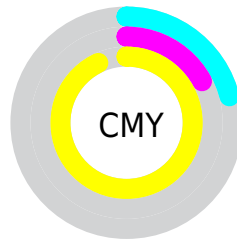


Cyan (5%)

Magenta (0%)

Yellow (91%)

Black (17%)



Cyan (21%)

Magenta (17%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.8940, 56.3140, -62.4540 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 186.8940, 56.3140, -62.4540 by changing the saturation by 10% instead.



■ 186.8940, 56.3140,  
-62.4540

■ 186.8940, 56.3140,  
-62.4540

■ 255.0000, -0.0000,  
-0.0000

■ 159.4360, 51.9120,  
-59.7680

■ 236.3040, 52.6440,  
-51.0040

■ 135.5030, 41.7780,  
-52.3180

■ 239.7240, 43.0140,  
-41.6740

■ 111.8690, 32.2400,  
-44.6560

■ 243.0300, 33.7050,  
-32.6550

■ 88.8220, 22.4270,  
-37.5170

■ 246.3360, 24.3960,  
-23.6360

■ 65.7750, 12.6140,  
-30.3780

■ 249.6420, 15.0870,  
-14.6170

■ 44.2010, 2.8470,  
-24.0730

■ 253.0620, 5.4570,

■ 23.2030, -8.6620,

-5.2870

-19.2380

■ 6.4570, -3.0250,  
-5.7530

■ 0.0000, 0.0000,  
0.0000

■ 186.8940, 56.3140,  
-62.4540

■ 186.8940, 56.3140,  
-62.4540

■ 184.5430, 61.4960,  
-68.2640

■ 189.5870, 50.1690,  
-55.7110

■ 192.3940, 43.7030,  
-48.6570

■ 195.0870, 37.5580,  
-41.9140

■ 197.7800, 31.4130,  
-35.1710

■ 200.4730, 25.2680,  
-28.4280

■ 203.4650, 19.7190,  
-21.4730

■ 206.2720, 13.2530,  
-14.4190

■ 208.9650, 7.1080,  
-7.6760

■ 211.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

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



188.8470, 91.2000, -33.8880



186.8940, 56.3140, -62.4540



176.3450, -25.6630, -69.0790

# Triad

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



186.8940, 56.3140, -62.4540



167.0150, -146.4800, -43.6000



181.4310, 37.6770, 60.5970

# Complementary

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



186.8940, 56.3140, -62.4540



43.1060, -56.3140, 62.4540

# 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.



200.9960, 25.3000, 48.1160



186.8940, 56.3140, -62.4540



159.3840, -142.9050, -36.8010

# Square

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



186.8940, 56.3140, -62.4540



168.1090, -144.0490, -49.1130



182.3720, -62.4010, 2.0390



169.6040, 64.0900, 38.9540



# Rectangle

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



186.8940, 56.3140, -62.4540



153.4490, -108.2810, -80.6090



182.3720, -62.4010, 2.0390



188.0820, 31.3500, 59.6220

# Sweetspot

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



186.8940, 56.3140, -62.4540



245.9380, 19.7650, -22.3070



81.8760, 112.8740, 35.8980



122.4290, 11.3730, -13.3870



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.



186.8940, 56.3140, -62.4540



222.0430, 74.1070, -82.0610



157.8910, -1.4980, -83.0180



105.7460, 3.5310, -3.4210



148.8150, 49.5270, -55.0890



37.5000, 12.6110, -13.7970



# Inverse Universe

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



43.1060, -56.3140, 62.4540



32.9570, -74.1070, 82.0610



72.1090, 1.4980, 83.0180



97.5530, -2.9350, 3.6330



22.1850, -49.5270, 55.0890



5.5000, -12.6110, 13.7970



# Previews

## White Background



This preview shows how the YIQ color 186.8940, 56.3140, -62.4540 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 186.8940, 56.3140, -62.4540 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 186.8940, 56.3140, -62.4540

## Background



This preview shows how black text looks on a background with the YIQ color 186.8940, 56.3140, -62.4540.



This preview shows how white text looks on a background with the YIQ color 186.8940, 56.3140, -62.4540.



# 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

186.8940, 56.3140, -62.4540

### Protanopia

189.2280, 76.1650, -53.2670

### Deuteranopia

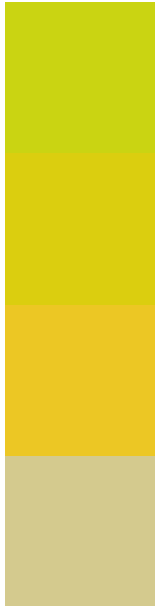
194.1930, 84.4140, -32.0500



## Tritanopia

204.8040, 6.7840, 9.2160

# Trichromacy



## Original Color

186.8940, 56.3140, -62.4540

## Protanomaly

188.1130, 69.0590, -56.6450

## Deuteranomaly

191.4810, 74.3750, -42.8490

## Tritanomaly

198.1500, 25.2200, -16.5400

# Monochromacy



## Original Color

186.8940, 56.3140, -62.4540

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

186.8240, 20.0860, -22.6180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.8940, 56.3140, -62.4540 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(202, 212, 18)` looks like.

```
.text, #text, p{  
    color:rgb(202, 212, 18)  
}
```

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(202, 212, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 212, 18) }
```

## Border

The CSS property to change the border of an element to YIQ 186.8940, 56.3140, -62.4540 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(202, 212, 18) }
```



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

```
.border{ border-color:rgb(202, 212, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 212, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 212, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 212, 18);  
box-shadow:4px 4px 4px 4px rgb(202, 212,  
18) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.8940, 56.3140, -62.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 212, 18) }
```

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

```
.background{ background-color: rgb(202,  
212, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor