

# Converting Colors

YIQ(177.3890, 43.2400,  
-23.7360)

Have a look what the booklet for  
YIQ(177.3890, 43.2400, -23.7360)  
contains.

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# Color

**YIQ(177.3890, 43.2400,  
-23.7360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCB559
RGB	204, 181, 89
RGB Percent	80%, 71%, 35%
CMY	0.2000, 0.2902, 0.6507
CMYK	0.00, 0.11, 0.56, 0.20
HSL	48°, 53%, 57%
HSV	48°, 56%, 80%
XYZ	43.2293, 46.6033, 16.1817
YIQ	177.3890, 43.2400, -23.7360

# Conversions

## Conversions Part 2

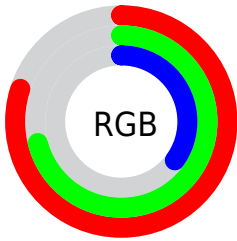
Format	Color
<a href="#">RYB</a>	<a href="#">118, 204, 89</a>
Decimal	<a href="#">13415769</a>
CIELab	<a href="#">73.94, -3.13, 49.12</a>
CIELCh	<a href="#">74, 49.223, 93.651</a>
Yxy	<a href="#">46.6033, 0.4078, 0.4396</a>
Android (android.graphics.Color)	<a href="#">4291605849 (0xFFCCB559)</a>
YUV	<a href="#">177.3890, -43.5758, 23.3378</a>
Hunter-Lab	<a href="#">68.2666, -6.4328, 33.7327</a>

# Details

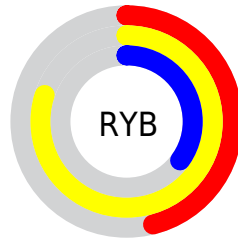
The YIQ color  $177.3890, 43.2400, -23.7360$  is a light color, and the websafe version is hex `CCCC66`. The color can be described as light muted orange. A complement of this color would be  $115.6110, -43.2400, 23.7360$ , and the grayscale version is  $178.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $231.5520, 41.2230, -25.7290$ , and  $123.4210, 40.2140, -23.9620$  is the 20% darker color. If you saturate the color by 10%, you get  $172.7610, 50.7600, -27.8640$ , and if you desaturate by 10%, it is  $182.0170, 35.7200, -19.6080$ .

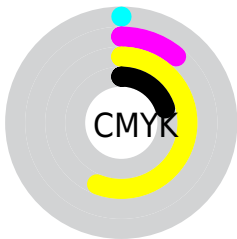
# Distribution



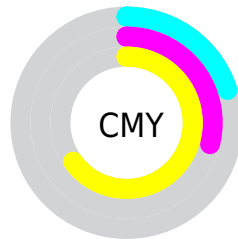
- Red (80%)
- Green (71%)
- Blue (35%)



- Red (46%)
- Yellow (80%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (56%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.3890, 43.2400, -23.7360 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 177.3890, 43.2400, -23.7360 by changing the saturation by 10% instead.





 177.3890, 43.2400,  
-23.7360


 177.3890, 43.2400,  
-23.7360


255.0000, -0.0000,  
-0.0000

 150.0190, 41.4060,  
-23.5380


 231.5520, 41.2230,  
-25.7290

 123.4210, 40.2140,  
-23.9620


 245.1960, 27.6060,  
-26.7460

 97.6120, 40.9940,  
-27.0860


 248.3880, 18.6180,  
-18.0380

 74.7670, 33.4280,  
-22.1240

 251.5800, 9.6300,  
-9.3300

 53.4920, 24.2570,  
-15.6070

254.8860, 0.3210,  
-0.3110

 33.6900, 15.1320,  
-9.9240

 12.9910, 4.2190,

-4.8770

■ 0.0000, 0.0000,  
0.0000

■ 177.3890, 43.2400,  
-23.7360

■ 177.3890, 43.2400,  
-23.7360

■ 172.7610, 50.7600,  
-27.8640

■ 182.0170, 35.7200,  
-19.6080

■ 168.0190, 58.6010,  
-32.3030

■ 186.7590, 27.8790,  
-15.1690

■ 163.3910, 66.1210,  
-36.4310

■ 191.3870, 20.3590,  
-11.0410

■ 158.6490, 73.9620,  
-40.8700

■ 196.1290, 12.5180,  
-6.6020

■ 156.6770, 76.7590,  
-42.0010

■ 200.7570, 4.9980,  
-2.4740

■ 205.3850, -2.5220,  
1.6540

■ 210.7140,  
-10.6380, 5.5700

■ 215.3420,  
-18.1580, 9.6980

■ 218.0320,  
-20.2210, 8.5390

# Harmonies

## Analogous

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



180.4280, 65.8400, -3.7920



177.3890, 43.2400, -23.7360



172.6770, 6.8380, -35.8340

# Triad

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



177.3890, 43.2400, -23.7360



145.9680, -129.9300, -35.1620



187.0040, 30.8490, 41.1610

# Complementary

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



177.3890, 43.2400, -23.7360



115.6110, -43.2400, 23.7360

# 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.



185.3930, -13.0270, 32.3570



177.3890, 43.2400, -23.7360



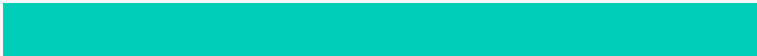
144.7090, -136.0300, -23.7260

# Square

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



177.3890, 43.2400, -23.7360



141.5390, -116.0810, -49.3690



172.6480, -62.9980, 7.3540



181.0650, 55.2420, 34.1060



# Rectangle

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



177.3890, 43.2400, -23.7360



167.6440, -23.9260, -39.9740



172.6480, -62.9980, 7.3540



186.9470, 17.8280, 40.3560

# Sweetspot

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



177.3890, 43.2400, -23.7360



244.8150, 16.2780, -8.6660



126.2350, 60.5150, 32.1550



121.5140, 9.9960, -4.9480



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.



177.3890, 43.2400, -23.7360



214.7330, 65.1580, -35.4980



181.0230, 17.2470, -42.7610



99.6860, 3.7600, -2.0640



127.7050, 62.3610, -34.3670



29.5590, 14.1230, -8.1570



# Inverse Universe

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



115.6110, -43.2400, 23.7360



121.6800, -64.8830, 36.0210



111.9770, -17.2470, 42.7610



94.3140, -3.7600, 2.0640



38.2950, -62.3610, 34.3670

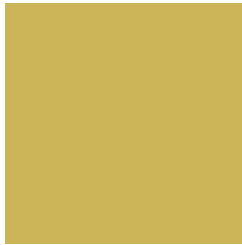


9.0280, -14.3980, 7.6340



# Previews

## White Background



This preview shows how the YIQ color 177.3890, 43.2400, -23.7360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

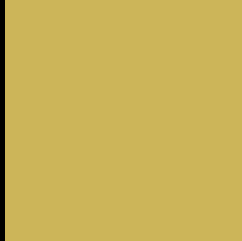
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 177.3890, 43.2400, -23.7360 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 177.3890, 43.2400, -23.7360

## Background



This preview shows how black text looks on a background with the YIQ color 177.3890, 43.2400, -23.7360.



This preview shows how white text looks on a background with the YIQ color 177.3890, 43.2400, -23.7360.

-23.7360.

# 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

177.3890, 43.2400, -23.7360

### Protanopia

177.0790, 41.1770, -24.8950

### Deuteranopia

178.9010, 56.7180, -14.6900



## Tritanopia

185.0400, 20.8590, 12.9470

# Trichromacy



## Original Color

177.3890, 43.2400, -23.7360

## Protanomaly

177.3780, 41.7730, -24.6830

## Deuteranomaly

178.4550, 52.0420, -18.0540

## Tritanomaly

182.5010, 29.2060, -0.6660

# Monochromacy



## Original Color

177.3890, 43.2400, -23.7360

## Achromatopsia

177.0000, -0.0000, 0.0000

## Achromatomaly

176.9290, 15.9570, -8.3550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.3890, 43.2400, -23.7360 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, 181, 89)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 89)  
}
```

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, 181, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 89) }
```

## Border

The CSS property to change the border of an element to YIQ 177.3890, 43.2400, -23.7360 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, 181, 89) }
```



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

```
.border{ border-color:rgb(204, 181, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 181, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 89);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
89) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.3890, 43.2400, -23.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 181, 89) }
```

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

```
.background{ background-color: rgb(204,  
181, 89) }
```

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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