

Converting Colors

YIQ(189.5870, 50.1690,
-55.7110)

Have a look what the booklet for
YIQ(189.5870, 50.1690, -55.7110)
contains.

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Color

**YIQ(189.5870, 50.1690,
-55.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD427
RGB	203, 212, 39
RGB Percent	80%, 83%, 15%
CMY	0.2041, 0.1686, 0.8467
CMYK	0.04, 0.00, 0.82, 0.17
HSL	63°, 69%, 49%
HSV	63°, 82%, 83%
XYZ	48.5316, 59.9276, 10.9361
YIQ	189.5870, 50.1690, -55.7110

Conversions

Conversions Part 2

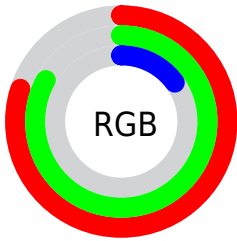
Format	Color
RYB	39, 212, 48
Decimal	13358119
CIELab	81.80, -21.91, 75.65
CIELCh	82, 78.760, 106.152
Yxy	59.9276, 0.4065, 0.5019
Android (android.graphics.Color)	4291548199 (0xFFCBD427)
YUV	189.5870, -74.2394, 11.7632
Hunter-Lab	77.4129, -23.5676, 45.8131

Details

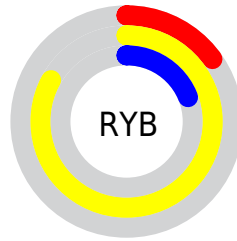
The YIQ color **189.5870, 50.1690, -55.7110** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **61.4130, -50.1690, 55.7110**, and the grayscale version is **190.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **237.5580, 49.1130, -47.5830**, and **136.1010, 42.9700, -51.8940** is the 20% darker color. If you saturate the color by 10%, you get **186.8940, 56.3140, -62.4540**, and if you desaturate by 10%, it is **192.2800, 44.0240, -48.9680**.

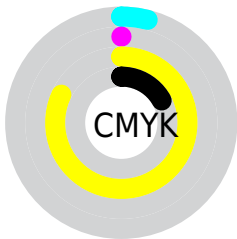
Distribution



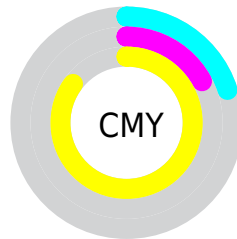
- Red (80%)
- Green (83%)
- Blue (15%)



- Red (15%)
- Yellow (83%)
- Blue (19%)



- Cyan (4%)
- Magenta (0%)
- Yellow (82%)
- Black (17%)



- Cyan (20%)
- Magenta (17%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 189.5870, 50.1690, -55.7110 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 189.5870, 50.1690, -55.7110 by changing the saturation by 10% instead.

■ 189.5870, 50.1690,
-55.7110

■ 189.5870, 50.1690,
-55.7110

■ 255.0000, -0.0000,
-0.0000

■ 160.0340, 53.1040,
-59.3440

■ 237.5580, 49.1130,
-47.5830

■ 136.1010, 42.9700,
-51.8940

■ 240.8640, 39.8040,
-38.5640

■ 112.1680, 32.8360,
-44.4440

■ 244.0560, 30.8160,
-29.8560

■ 89.4200, 23.6190,
-37.0930

■ 247.3620, 21.5070,
-20.8370

■ 66.3730, 13.8060,
-29.9540

■ 250.6680, 12.1980,
-11.8180

■ 44.7990, 4.0390,
-23.6490

■ 254.0880, 2.5680,

■ 24.1000, -6.8740,

-2.4880

-18.6020

■ 7.0440, -3.3000,
-6.2760

■ 0.0000, 0.0000,
0.0000

■ 189.5870, 50.1690,
-55.7110

■ 189.5870, 50.1690,
-55.7110

■ 186.8940, 56.3140,
-62.4540

■ 192.2800, 44.0240,
-48.9680

■ 184.5430, 61.4960,
-68.2640

■ 194.9730, 37.8790,
-42.2250

■ 197.7800, 31.4130,
-35.1710

■ 200.4730, 25.2680,
-28.4280

■ 203.4650, 19.7190,
-21.4730

■ 206.1580, 13.5740,
-14.7300

■ 208.9650, 7.1080,
-7.6760

■ 211.6580, 0.9630,
-0.9330

■ 214.3510, -5.1820,
5.8100

Harmonies

Analogous

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



191.1440, 86.1100, -29.7460



189.5870, 50.1690, -55.7110



179.2360, -23.7380, -65.4180

Triad

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



189.5870, 50.1690, -55.7110



166.4280, -146.2050, -43.0770



184.1380, 36.9440, 57.3600

Complementary

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



189.5870, 50.1690, -55.7110



61.4130, -50.1690, 55.7110

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.



202.7570, 24.4750, 46.5470



189.5870, 50.1690, -55.7110



158.7970, -142.6300, -36.2780

Square

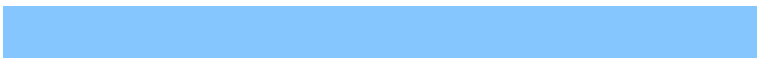
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



189.5870, 50.1690, -55.7110



167.2940, -143.1320, -49.2120



185.3620, -56.4410, 4.1590



173.3540, 61.7980, 36.4380

Rectangle

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



189.5870, 50.1690, -55.7110



153.3180, -109.2900, -78.8420



185.3620, -56.4410, 4.1590



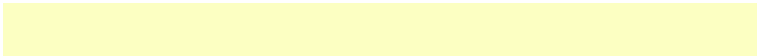
190.4300, 30.2500, 57.5300

Sweetspot

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



189.5870, 50.1690, -55.7110



247.1490, 17.7930, -19.6070



96.0100, 100.6330, 31.9690



123.1840, 10.6850, -11.9310



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.



189.5870, 50.1690, -55.7110



222.6130, 72.5020, -80.5060



163.8730, -1.0870, -73.9430



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.



61.4130, -50.1690, 55.7110



37.3870, -72.5020, 80.5060



87.1270, 1.0870, 73.9430



97.5530, -2.9350, 3.6330



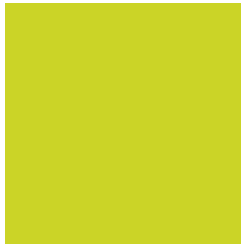
22.1850, -49.5270, 55.0890



5.5000, -12.6110, 13.7970

Previews

White Background



This preview shows how the YIQ color 189.5870, 50.1690, -55.7110 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 189.5870, 50.1690, -55.7110 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 189.5870, 50.1690, -55.7110

Background



This preview shows how black text looks on a background with the YIQ color 189.5870, 50.1690, -55.7110.



This preview shows how white text looks on a background with the YIQ color 189.5870, 50.1690, -55.7110.

-55.7110.

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

189.5870, 50.1690, -55.7110

Protanopia

192.4370, 68.5070, -46.6370

Deuteranopia

195.6920, 81.5710, -30.0850



Tritanopia

204.8040, 6.7840, 9.2160

Trichromacy



Original Color

189.5870, 50.1690, -55.7110

Protanomaly

191.6210, 61.9970, -49.8030

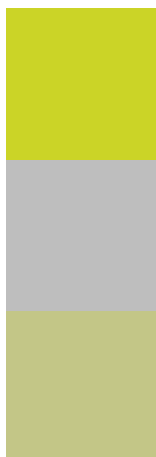
Deuteranomaly

193.5500, 69.9270, -39.3290

Tritanomaly

199.0620, 22.6520, -14.0520

Monochromacy



Original Color

189.5870, 50.1690, -55.7110

Achromatopsia

190.0000, -0.0000, -0.0000

Achromatomaly

189.9210, 18.4350, -20.2290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 189.5870, 50.1690, -55.7110 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(203, 212, 39)` looks like.

```
.text, #text, p{  
    color:rgb(203, 212, 39)  
}
```

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(203, 212, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 212, 39) }
```

Border

The CSS property to change the border of an element to YIQ 189.5870, 50.1690, -55.7110 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(203, 212, 39) }
```


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

```
.border{ border-color:rgb(203, 212, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 212, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 212, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 212, 39);  
box-shadow:4px 4px 4px 4px rgb(203, 212,  
39) }
```

Background

The CSS property to change the background color of an element to YIQ 189.5870, 50.1690, -55.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 212, 39) }
```

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

```
.background{ background-color: rgb(203,  
212, 39) }
```

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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