

# Converting Colors

YIQ(196.1870, 4.3210, -61.8150)

Have a look what the booklet for  
YIQ(196.1870, 4.3210, -61.8150)  
contains.

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# Color

**YIQ(196.1870, 4.3210,  
-61.8150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2EB56
RGB	162, 235, 86
RGB Percent	64%, 92%, 34%
CMY	0.3650, 0.0783, 0.6626
CMYK	0.31, 0.00, 0.63, 0.08
HSL	89°, 79%, 63%
HSV	89°, 63%, 92%
XYZ	46.2846, 67.7807, 19.4548
YIQ	196.1870, 4.3210, -61.8150

# Conversions

## Conversions Part 2

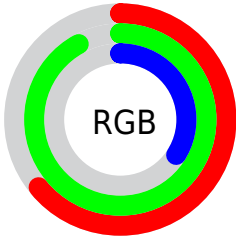
Format	Color
<a href="#">RYB</a>	<a href="#">86, 235, 159</a>
Decimal	<a href="#">10677078</a>
CIELab	<a href="#">85.90, -45.84, 63.04</a>
CIELCh	<a href="#">86, 77.941, 126.023</a>
Yxy	<a href="#">67.7807, 0.3466, 0.5076</a>
Android (android.graphics.Color)	<a href="#">4288867158 (0xFFA2EB56)</a>
YUV	<a href="#">196.1870, -54.3222, -29.9820</a>
Hunter-Lab	<a href="#">82.3290, -43.7249, 43.6198</a>

# Details

The YIQ color **196.1870, 4.3210, -61.8150** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **124.8130, -4.3210, 61.8150**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **231.5390, 15.7340, -42.8740**, and **139.2040, 5.6510, -63.8930** is the 20% darker color. If you saturate the color by 10%, you get **189.9770, 4.5520, -71.5120**, and if you desaturate by 10%, it is **202.2120, 3.1730, -52.0190**.

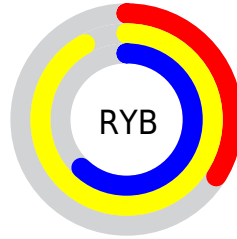
# Distribution



Red (64%)

Green (92%)

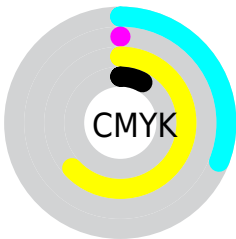
Blue (34%)



Red (34%)

Yellow (92%)

Blue (62%)

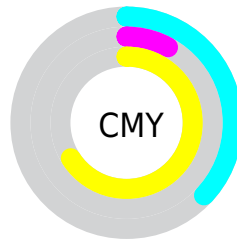


Cyan (31%)

Magenta (0%)

Yellow (63%)

Black (8%)



Cyan (37%)

Magenta (8%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 196.1870, 4.3210, -61.8150 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 196.1870, 4.3210, -61.8150 by changing the saturation by 10% instead.



196.1870, 4.3210,  
-61.8150

196.1870, 4.3210,  
-61.8150

255.0000, -0.0000,  
-0.0000

167.8880, 3.7250,  
-62.0270

231.5390, 15.7340,  
-42.8740

139.2040, 5.6510,  
-63.8930

243.8150, 24.3050,  
-27.4950

111.9480, 3.4960,  
-63.3840

248.5020, 18.2970,  
-17.7270

86.8300, -7.5550,  
-55.8350

251.8080, 8.9880,  
-8.7080

59.5970, -25.7120,  
-51.6640

44.0250, -20.6250,  
-39.2250

29.9370, -14.0250,

-26.6730

■ 17.0230, -7.9750,  
-15.1670

■ 0.0000, 0.0000,  
0.0000

■ 196.1870, 4.3210,  
-61.8150

■ 196.1870, 4.3210,  
-61.8150

■ 189.9770, 4.5520,  
-71.5120

■ 202.2120, 3.1730,  
-52.0190

■ 183.9520, 5.7000,  
-81.3080

■ 208.4220, 2.9420,  
-42.3220

■ 177.7420, 5.9310,  
-91.0050

■ 214.7460, 2.3900,  
-32.3140

■ 173.8250, 6.8950,  
-97.4650

■ 220.6570, 1.5630,  
-22.8290

■ 226.9810, 1.0110,  
-12.8210

■ 232.8920, 0.1840,  
-3.3360

■ 239.2160, -0.3680,  
6.6720

■ 242.9610, 4.9040,  
10.2480

■ 243.2600, 5.5000,  
10.4600

# Harmonies

## Analogous

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



203.9530, 66.9940, -46.7500



196.1870, 4.3210, -61.8150



161.7300, -116.4420, -81.3860

# Triad

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



196.1870, 4.3210, -61.8150



168.7760, -147.3050, -45.1690



184.5020, 46.9420, 41.3580

# Complementary

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



196.1870, 4.3210, -61.8150



124.8130, -4.3210, 61.8150

# 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.



198.0610, 26.6750, 50.7310



196.1870, 4.3210, -61.8150



178.2650, -99.4890, -19.6570

# Square

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



196.1870, 4.3210, -61.8150



174.6460, -150.0550, -50.3990



210.8760, 7.4220, 30.7020



185.2130, 65.6080, 11.4320



# Rectangle

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



196.1870, 4.3210, -61.8150



169.1910, -133.3170, -67.4050



210.8760, 7.4220, 30.7020



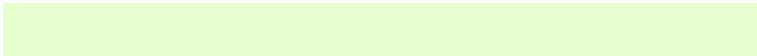
187.9390, 38.6420, 48.6100

# Sweetspot

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



196.1870, 4.3210, -61.8150



242.3520, 1.1040, -20.0160



172.8150, 69.0040, -6.0680



120.0950, 0.6900, -12.5100



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.



196.1870, 4.3210, -61.8150



204.4790, 5.6540, -80.4740



174.3600, -39.1870, -77.2910



114.2510, 0.5510, -4.4810



133.7550, 5.0570, -75.1590



39.7710, 1.2420, -22.5180



# Inverse Universe

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



124.8130, -4.3210, 61.8150



111.5210, -5.6540, 80.4740



146.9390, 39.7830, 77.5030



108.7490, -0.5510, 4.4810



47.2450, -5.0570, 75.1590

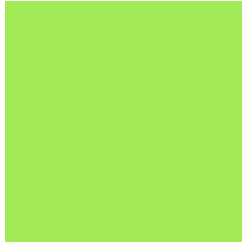


13.9300, -1.8380, 22.3060



# Previews

## White Background



This preview shows how the YIQ color 196.1870, 4.3210, -61.8150 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 196.1870, 4.3210, -61.8150 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 196.1870, 4.3210, -61.8150

## Background



This preview shows how black text looks on a background with the YIQ color 196.1870, 4.3210, -61.8150.



This preview shows how white text looks on a background with the YIQ color 196.1870, 4.3210, -61.8150.

-61.8150.

# 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

196.1870, 4.3210, -61.8150

### Protanopia

206.1990, 57.9140, -36.3740

### Deuteranopia

212.2150, 52.9580, -12.6260



## Tritanopia

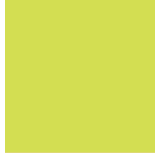
210.9890, -27.8300, -2.2460

# Trichromacy



## Original Color

196.1870, 4.3210, -61.8150



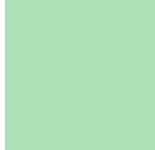
## Protanomaly

202.7510, 38.3840, -45.8720



## Deuteranomaly

206.5680, 35.1260, -30.8740



## Tritanomaly

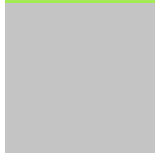
205.2620, -16.3180, -23.6620

# Monochromacy



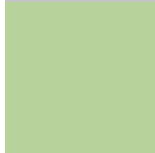
## Original Color

196.1870, 4.3210, -61.8150



## Achromatopsia

196.0000, -0.0000, -0.0000



## Achromatomaly

196.0700, 1.8380, -22.3060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 196.1870, 4.3210, -61.8150 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(162, 235, 86)` looks like.

```
.text, #text, p{  
    color:rgb(162, 235, 86)  
}
```

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(162, 235, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 235, 86) }
```

## Border

The CSS property to change the border of an element to YIQ 196.1870, 4.3210, -61.8150 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(162, 235, 86) }
```



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

```
.border{ border-color:rgb(162, 235, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 235, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 235, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 235, 86);  
box-shadow:4px 4px 4px 4px rgb(162, 235,  
86) }
```

# Background

The CSS property to change the background color of an element to YIQ 196.1870, 4.3210, -61.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 235, 86) }
```

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

```
.background{ background-color: rgb(162,  
235, 86) }
```

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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