

# Converting Colors

YIQ(200.7960, -1.0470,  
-41.6150)

Have a look what the booklet for  
YIQ(200.7960, -1.0470, -41.6150)  
contains.

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# Color

**YIQ(200.7960, -1.0470,  
-41.6150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE483
RGB	174, 228, 131
RGB Percent	68%, 89%, 51%
CMY	0.3178, 0.1058, 0.4862
CMYK	0.24, 0.00, 0.43, 0.11
HSL	93°, 64%, 70%
HSV	93°, 43%, 89%
XYZ	49.2924, 66.1315, 31.6458
YIQ	200.7960, -1.0470, -41.6150

# Conversions

## Conversions Part 2

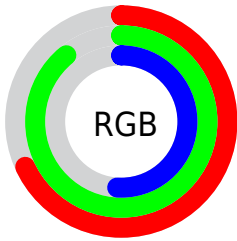
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 228, 185
Decimal	11461763
CIELab	85.06, -33.90, 41.77
CIELCh	85, 53.796, 129.067
Yxy	66.1315, 0.3352, 0.4497
Android (android.graphics.Color)	4289651843 (0xFFAEE483)
YUV	200.7960, -34.4094, -23.5001
Hunter-Lab	81.3213, -34.1156, 33.8524

# Details

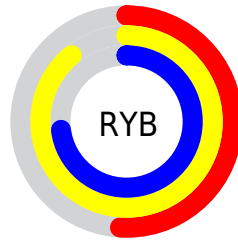
The YIQ color  $200.7960, -1.0470, -41.6150$  is a light color, and the websafe version is hex  $99CC66$ . A complement of this color would be  $158.2040, 1.0470, 41.6150$ , and the grayscale version is  $201.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $239.8440, 8.1660, -26.8580$ , and  $145.5510, -1.7350, -40.1590$  is the 20% darker color. If you saturate the color by 10%, you get  $194.2870, -1.4120, -51.5240$ , and if you desaturate by 10%, it is  $207.3050, -0.6820, -31.7060$ .

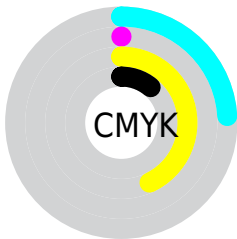
# Distribution



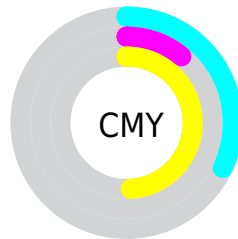
- Red (68%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (73%)



- Cyan (24%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (32%)
- Magenta (11%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 200.7960, -1.0470, -41.6150 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 200.7960, -1.0470, -41.6150 by changing the saturation by 10% instead.



■ 200.7960, -1.0470,  
-41.6150

■ 200.7960, -1.0470,  
-41.6150

255.0000, -0.0000,  
-0.0000

■ 173.0240, -1.6890,  
-40.9930

■ 239.8440, 8.1660,  
-26.8580

■ 145.5510, -1.7350,  
-40.1590

■ 250.2120, 13.4820,  
-13.0620

■ 119.6650, -2.0560,  
-39.8480

■ 253.5180, 4.1730,  
-4.0430

■ 93.7790, -2.3770,  
-39.5370

■ 67.1380, -2.0100,  
-40.6820

■ 44.3790, -12.6940,  
-34.2780

■ 27.5890, -12.9250,

-24.5810

■ 15.2620, -7.1500,  
-13.5980

■ 0.0000, 0.0000,  
0.0000

■ 200.7960, -1.0470,  
-41.6150

■ 200.7960, -1.0470,  
-41.6150

■ 194.2870, -1.4120,  
-51.5240

■ 207.3050, -0.6820,  
-31.7060

■ 188.0770, -1.1810,  
-61.2210

■ 213.5150, -0.9130,  
-22.0090


■ 181.6820, -1.8670,  
-70.8190

■ 219.9100, -0.2270,  
-12.4110

■ 175.1730, -2.2320,  
-80.7280


■ 226.4190, 0.1380,  
-2.5020

 168.6640, -2.5970,  
-90.6370

 232.9280, 0.5030,  
7.4070

 164.0350, -2.5040,  
-97.8320

 237.6560, 4.4450,  
13.0610

 239.1510, 7.4250,  
14.1210

# Harmonies

## Analogous

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



207.1020, 42.3700, -29.9980



200.7960, -1.0470, -41.6150



189.7630, -58.1740, -47.0540

# Triad

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



200.7960, -1.0470, -41.6150



162.9060, -144.5550, -39.9390



199.3080, 41.0760, 26.5160

# Complementary

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



200.7960, -1.0470, -41.6150



158.2040, 1.0470, 41.6150

# Split Complementary

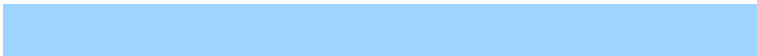
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



208.0570, 23.3300, 39.7620



200.7960, -1.0470, -41.6150



200.7560, -45.9870, 1.9250

# Square

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



200.7960, -1.0470, -41.6150



167.6020, -146.7550, -44.1230



213.2240, 6.3220, 28.6100



199.1190, 54.0090, 6.8810



# Rectangle

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



200.7960, -1.0470, -41.6150



165.6140, -129.8340, -58.9380



213.2240, 6.3220, 28.6100



201.2460, 35.6190, 31.8030

# Sweetspot

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



200.7960, -1.0470, -41.6150



245.8560, -0.1350, -14.0790



191.1140, 43.2370, -7.1550



122.0180, -0.4110, -9.0750



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

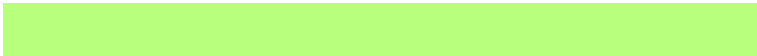


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



200.7960, -1.0470, -41.6150



218.6520, -1.1820, -55.6940



188.5090, -28.2800, -49.1760



111.5390, -0.3200, -5.2160



128.6940, -2.1410, -76.8690



36.8140, -0.3170, -21.7970



# Inverse Universe

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



158.2040, 1.0470, 41.6150



161.3480, 1.1820, 55.6940



170.4910, 28.2800, 49.1760



106.4610, 0.3200, 5.2160



50.3060, 2.1410, 76.8690



14.1860, 0.3170, 21.7970



# Previews

## White Background



This preview shows how the YIQ color 200.7960, -1.0470, -41.6150 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 200.7960, -1.0470, -41.6150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

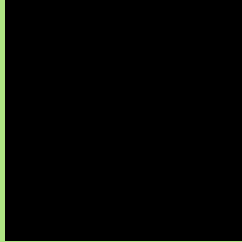
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 200.7960, -1.0470, -41.6150

## Background



This preview shows how black text looks on a background with the YIQ color 200.7960, -1.0470, -41.6150.



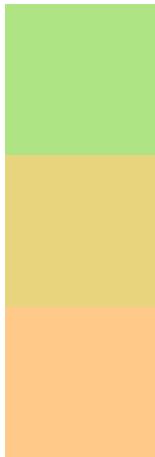
This preview shows how white text looks on a background with the YIQ color 200.7960, -1.0470,

-41.6150.

# 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

200.7960, -1.0470, -41.6150

### Protanopia

208.0620, 39.8470, -22.8170

### Deuteranopia

210.4370, 52.4530, -8.9790



## Tritanopia

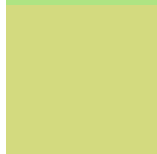
209.8650, -21.5490, -0.4370

# Trichromacy



## Original Color

200.7960, -1.0470, -41.6150



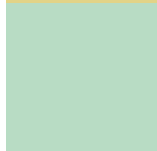
## Protanomaly

205.5330, 25.0390, -29.7850



## Deuteranomaly

206.8210, 33.3360, -20.4560



## Tritanomaly

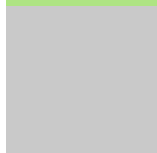
206.5000, -13.7520, -15.0960

# Monochromacy



## Original Color

200.7960, -1.0470, -41.6150



## Achromatopsia

201.0000, -0.0000, 0.0000



## Achromatomaly

201.0300, -0.6850, -15.1250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 200.7960, -1.0470, -41.6150 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(174, 228, 131)` looks like.

```
.text, #text, p{  
    color:rgb(174, 228, 131)  
}
```

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(174, 228, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 228, 131) }
```

## Border

The CSS property to change the border of an element to YIQ 200.7960, -1.0470, -41.6150 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(174, 228, 131) }
```



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

```
.border{ border-color:rgb(174, 228, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 228, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 228, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 228, 131);  
box-shadow:4px 4px 4px 4px rgb(174, 228,  
131) }
```

# Background

The CSS property to change the background color of an element to YIQ 200.7960, -1.0470, -41.6150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 228, 131) }
```

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

```
.background{ background-color: rgb(174,  
228, 131) }
```

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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