

# Converting Colors

YIQ(206.9820, 51.9960,  
-17.2200)

Have a look what the booklet for  
YIQ(206.9820, 51.9960, -17.2200)  
contains.

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# Color

**YIQ(206.9820, 51.9960,  
-17.2200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6CC78
RGB	246, 204, 120
RGB Percent	96%, 80%, 47%
CMY	0.0352, 0.2000, 0.5291
CMYK	0.00, 0.17, 0.51, 0.04
HSL	40°, 88%, 72%
HSV	40°, 51%, 96%
XYZ	62.9933, 64.1300, 26.8496
YIQ	206.9820, 51.9960, -17.2200

# Conversions

## Conversions Part 2

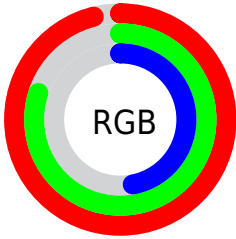
Format	Color
<a href="#">RYB</a>	<a href="#">183, 246, 120</a>
Decimal	<a href="#">16174200</a>
CIELab	<a href="#">84.03, 4.76, 47.05</a>
CIElCh	<a href="#">84, 47.294, 84.228</a>
Yxy	<a href="#">64.1300, 0.4091, 0.4165</a>
Android (android.graphics.Color)	<a href="#">4294364280 (0xFFFF6CC78)</a>
YUV	<a href="#">206.9820, -42.8821, 34.2188</a>
Hunter-Lab	<a href="#">80.0812, 0.2691, 36.1782</a>

# Details

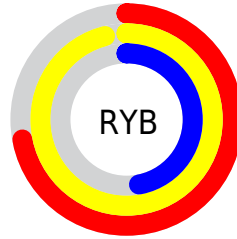
The YIQ color  $206.9820, 51.9960, -17.2200$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . A complement of this color would be  $159.0180, -51.9960, 17.2200$ , and the grayscale version is  $207.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $245.7660, 26.0010, -25.1910$ , and  $151.8290, 48.0530, -17.3470$  is the 20% darker color. If you saturate the color by 10%, you get  $199.4360, 62.2210, -20.8110$ , and if you desaturate by 10%, it is  $214.5280, 41.7710, -13.6290$ .

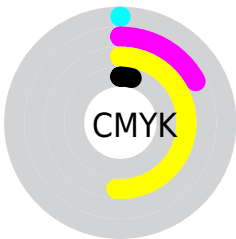
# Distribution



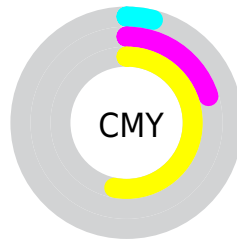
- Red (96%)
- Green (80%)
- Blue (47%)



- Red (72%)
- Yellow (96%)
- Blue (47%)



- Cyan (0%)
- Magenta (17%)
- Yellow (51%)
- Black (4%)




- Cyan (4%)
- Magenta (20%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.9820, 51.9960, -17.2200 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 206.9820, 51.9960, -17.2200 by changing the saturation by 10% instead.





 206.9820, 51.9960,  
-17.2200


 206.9820, 51.9960,  
-17.2200

255.0000, -0.0000,  
-0.0000


 179.1990, 49.8870,  
-17.5450


 245.7660, 26.0010,  
-25.1910


 151.8290, 48.0530,  
-17.3470


 248.9580, 17.0130,  
-16.4830

 125.3450, 46.5400,  
-17.4600

 252.1500, 8.0250,  
-7.7750

 99.6930, 45.4400,  
-19.5520

 75.4090, 40.4880,  
-17.9120

 54.1340, 31.3170,  
-11.3950

 34.0330, 21.5960,

-5.9240

■ 13.9430, 13.3420,  
0.4940

■ 0.0000, 0.0000,  
0.0000

■ 206.9820, 51.9960,  
-17.2200

■ 206.9820, 51.9960,  
-17.2200

■ 199.4360, 62.2210,  
-20.8110

■ 214.5280, 41.7710,  
-13.6290

■ 192.0040, 72.1250,  
-24.0910

■ 221.9600, 31.8670,  
-10.3490

■ 183.8710, 82.6250,  
-27.1590

■ 230.0930, 21.3670,  
-7.2810

■ 176.4390, 92.5290,  
-30.4390

■ 237.5250, 11.4630,  
-4.0010

169.8220,  
101.5160, -33.6200

245.0710, 1.2380,  
-0.4100

251.1350, -4.8140,  
-0.8620

252.3090, -5.3640,  
-1.9080

# Harmonies

## Analogous

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



202.4470, 55.6610, -1.0350



206.9820, 51.9960, -17.2200



202.7280, 19.9960, -32.0040

# Triad

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



206.9820, 51.9960, -17.2200



164.7010, -142.7200, -45.6640



213.9100, 19.2500, 36.6100

# Complementary

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



206.9820, 51.9960, -17.2200



159.0180, -51.9960, 17.2200

# 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.



207.4550, -16.7380, 17.0060



206.9820, 51.9960, -17.2200



162.3190, -144.2800, -39.4160

# Square

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



206.9820, 51.9960, -17.2200



184.8720, -77.2940, -41.9500



194.1230, -66.4340, -7.4740



204.0500, 33.2350, 30.9550



# Rectangle

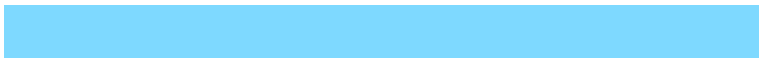
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



206.9820, 51.9960, -17.2200



198.7230, -7.9710, -37.2750



194.1230, -66.4340, -7.4740



212.6590, 9.5310, 31.0270

# Sweetspot

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



206.9820, 51.9960, -17.2200



243.0370, 15.7730, -5.0190



162.6900, 60.9720, 40.3960



120.6820, 9.5830, -2.9690



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.



206.9820, 51.9960, -17.2200



206.6920, 64.3760, -21.3200



225.9550, 29.1220, -43.2140



118.2840, 4.9520, -1.6400



128.4020, 76.7560, -25.4200



40.5340, 24.4390, -7.8890



# Inverse Universe

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



159.0180, -51.9960, 17.2200



147.3080, -64.3760, 21.3200



140.0450, -29.1220, 43.2140



113.7160, -4.9520, 1.6400



57.5980, -76.7560, 25.4200



18.4660, -24.4390, 7.8890



# Previews

## White Background



This preview shows how the YIQ color 206.9820, 51.9960, -17.2200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

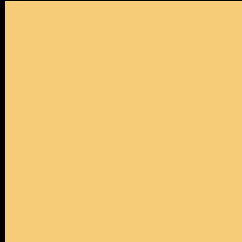
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 206.9820, 51.9960, -17.2200 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 206.9820, 51.9960, -17.2200

## Background



This preview shows how black text looks on a background with the YIQ color 206.9820, 51.9960, -17.2200.



This preview shows how white text looks on a background with the YIQ color 206.9820, 51.9960,

-17.2200.

# 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

206.9820, 51.9960, -17.2200

### Protanopia

205.9480, 40.1680, -23.1280

### Deuteranopia

207.5530, 57.8180, -12.5980



## Tritanopia

213.5360, 31.2660, 17.0740

# Trichromacy



## Original Color

206.9820, 51.9960, -17.2200

## Protanomaly

206.4540, 44.6150, -21.1210

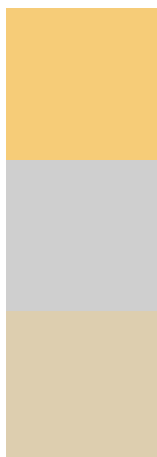
## Deuteranomaly

207.1290, 56.0760, -14.0680

## Tritanomaly

211.3390, 38.6500, 4.3940

# Monochromacy



## Original Color

206.9820, 51.9960, -17.2200

## Achromatopsia

207.0000, 0.0000, -0.0000

## Achromatomaly

206.9510, 18.8910, -6.4610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.9820, 51.9960, -17.2200 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(246, 204, 120)` looks like.

```
.text, #text, p{  
    color:rgb(246, 204, 120)  
}
```

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(246, 204, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 204, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 206.9820, 51.9960, -17.2200 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(246, 204, 120) }
```



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

```
.border{ border-color:rgb(246, 204, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 204, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 204, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 204, 120);  
box-shadow:4px 4px 4px 4px rgb(246, 204,  
120) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.9820, 51.9960, -17.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 204, 120) }
```

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

```
.background{ background-color: rgb(246,  
204, 120) }
```

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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