

# Converting Colors

YIQ(187.8170, 65.5220,  
-20.0620)

Have a look what the booklet for  
YIQ(187.8170, 65.5220, -20.0620)  
contains.

<b>YIQ(187.8170, 65.5220, -20.0620)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(187.8170, 65.5220,  
-20.0620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEB751
RGB	238, 183, 81
RGB Percent	93%, 72%, 32%
CMY	0.0666, 0.2824, 0.6820
CMYK	0.00, 0.23, 0.66, 0.07
HSL	39°, 82%, 63%
HSV	39°, 66%, 93%
XYZ	53.6828, 52.6328, 15.1314
YIQ	187.8170, 65.5220, -20.0620

# Conversions

## Conversions Part 2

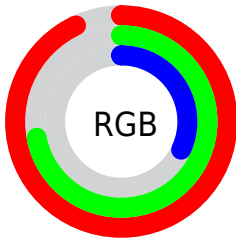
Format	Color
<a href="#">RYB</a>	<a href="#">166, 238, 81</a>
Decimal	<a href="#">15644497</a>
CIELab	<a href="#">77.66, 9.61, 57.88</a>
CIELCh	<a href="#">78, 58.676, 80.577</a>
Yxy	<a href="#">52.6328, 0.4420, 0.4334</a>
Android (android.graphics.Color)	<a href="#">4293834577</a> ( <a href="#">0xFFEEB751</a> )
YUV	<a href="#">187.8170, -52.6608, 44.0105</a>
Hunter-Lab	<a href="#">72.5485, 5.1225, 38.4179</a>

# Details

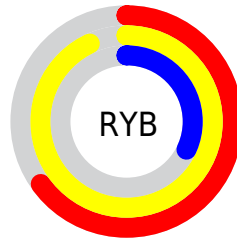
The YIQ color **187.8170, 65.5220, -20.0620** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **131.1830, -65.5220, 20.0620**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **231.8140, 43.2410, -29.2630**, and **132.3820, 62.3130, -22.4790** is the 20% darker color. If you saturate the color by 10%, you get **180.3850, 75.4260, -23.3420**, and if you desaturate by 10%, it is **195.2490, 55.6180, -16.7820**.

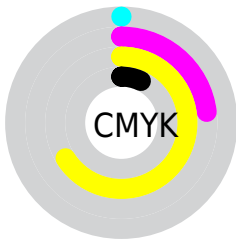
# Distribution



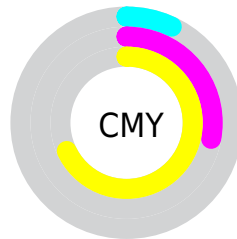
- Red (93%)
- Green (72%)
- Blue (32%)



- Red (65%)
- Yellow (93%)
- Blue (32%)



- Cyan (0%)
- Magenta (23%)
- Yellow (66%)
- Black (7%)



- Cyan (7%)
- Magenta (28%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 187.8170, 65.5220, -20.0620 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 187.8170, 65.5220, -20.0620 by changing the saturation by 10% instead.



187.8170, 65.5220,  
-20.0620

187.8170, 65.5220,  
-20.0620

255.0000, -0.0000,  
-0.0000

160.0340, 63.4130,  
-20.3870

231.8140, 43.2410,  
-29.2630

132.4960, 61.9920,  
-22.1680

244.3980, 29.8530,  
-28.9230

106.1860, 59.9290,  
-23.3270

247.5900, 20.8650,  
-20.2150

83.7260, 49.8410,  
-16.7110

250.7820, 11.8770,  
-11.5070

61.8530, 39.4780,  
-10.6180

254.0880, 2.5680,  
-2.4880

41.1540, 28.5650,  
-5.5710

21.9390, 19.1650,

-0.4110

■ 0.0000, 0.0000,  
0.0000

■ 187.8170, 65.5220,  
-20.0620

■ 187.8170, 65.5220,  
-20.0620

■ 180.3850, 75.4260,  
-23.3420

■ 195.2490, 55.6180,  
-16.7820

■ 172.3660, 85.6050,  
-26.0990

■ 203.2680, 45.4390,  
-14.0250

■ 165.0480, 95.1880,  
-29.0680

■ 210.5860, 35.8560,  
-11.0560

■ 162.1470, 99.2230,  
-30.6090

■ 218.0180, 25.9520,  
-7.7760

■ 226.0370, 15.7730,  
-5.0190

■ 233.4690, 5.8690,  
-1.7390

■ 240.9010, -4.0350,  
1.5410

■ 246.9820, -8.7570,  
-0.9890

■ 249.9170,  
-10.1320, -3.6040

# Harmonies

## Analogous

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



184.3520, 72.1660, 2.7100



187.8170, 65.5220, -20.0620



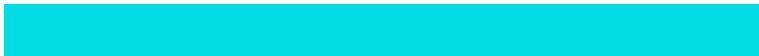
183.0030, 29.1670, -38.5210

# Triad

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



187.8170, 65.5220, -20.0620



154.5450, -133.4130, -43.6290



197.1090, 17.5520, 45.3600

# Complementary

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



187.8170, 65.5220, -20.0620



131.1830, -65.5220, 20.0620

# 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.



187.0110, -32.9230, 18.4770



187.8170, 65.5220, -20.0620



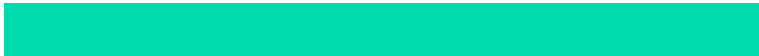
154.6880, -140.7050, -32.6170

# Square

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



187.8170, 65.5220, -20.0620



147.5740, -115.1620, -60.5220



148.2310, -137.6800, -26.8640



186.5880, 43.8240, 42.8000



# Rectangle

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



187.8170, 65.5220, -20.0620



178.4210, -4.4850, -45.3890



148.2310, -137.6800, -26.8640



194.9390, 3.1110, 37.2470

# Sweetspot

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



187.8170, 65.5220, -20.0620



238.6200, 21.3210, -6.4470



134.5550, 74.9540, 51.3220



118.0090, 12.9760, -3.8880



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.



187.8170, 65.5220, -20.0620



190.4090, 84.0460, -25.3780



213.8230, 37.8810, -53.2790



116.2840, 4.9520, -1.6400



124.8690, 76.9390, -23.2290



37.8760, 23.4760, -6.9560



# Inverse Universe

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



131.1830, -65.5220, 20.0620



118.0040, -83.7710, 25.9010



105.1770, -37.8810, 53.2790



111.7160, -4.9520, 1.6400



58.5440, -76.6640, 23.7520



18.1240, -23.4760, 6.9560



# Previews

## White Background



This preview shows how the YIQ color 187.8170, 65.5220, -20.0620 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 187.8170, 65.5220, -20.0620 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 187.8170, 65.5220, -20.0620

## Background



This preview shows how black text looks on a background with the YIQ color 187.8170, 65.5220, -20.0620.



This preview shows how white text looks on a background with the YIQ color 187.8170, 65.5220, -20.0620.

-20.0620.

# 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

187.8170, 65.5220, -20.0620

### Protanopia

186.2660, 47.7800, -28.9240

### Deuteranopia

188.1160, 66.1180, -19.8500



## Tritanopia

195.6080, 39.9310, 19.7310

# Trichromacy



## Original Color

187.8170, 65.5220, -20.0620

## Protanomaly

187.0820, 54.2900, -25.7580

## Deuteranomaly

188.1160, 66.1180, -19.8500

## Tritanomaly

192.7270, 49.2410, 5.1850

# Monochromacy



## Original Color

187.8170, 65.5220, -20.0620

## Achromatopsia

188.0000, 0.0000, 0.0000

## Achromatomaly

187.7620, 23.7970, -7.2670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 187.8170, 65.5220, -20.0620 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(238, 183, 81)` looks like.

```
.text, #text, p{  
    color:rgb(238, 183, 81)  
}
```

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(238, 183, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 183, 81) }
```

## Border

The CSS property to change the border of an element to YIQ 187.8170, 65.5220, -20.0620 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(238, 183, 81) }
```



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

```
.border{ border-color:rgb(238, 183, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 183, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 183, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 183, 81);  
box-shadow:4px 4px 4px 4px rgb(238, 183,  
81) }
```

# Background

The CSS property to change the background color of an element to YIQ 187.8170, 65.5220, -20.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 183, 81) }
```

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

```
.background{ background-color: rgb(238,  
183, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor