

Converting Colors

YIQ(186.3000, 85.9710,
-21.7170)

Have a look what the booklet for
YIQ(186.3000, 85.9710, -21.7170)
contains.

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Color

**YIQ(186.3000, 85.9710,
-21.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB136
RGB	255, 177, 54
RGB Percent	100%, 69%, 21%
CMY	0.0000, 0.3060, 0.7878
CMYK	0.00, 0.31, 0.79, 0.00
HSL	37°, 100%, 61%
HSV	37°, 79%, 100%
XYZ	57.6241, 52.9586, 10.6887
YIQ	186.3000, 85.9710, -21.7170

Conversions

Conversions Part 2

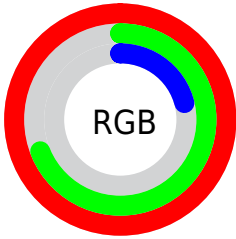
Format	Color
RYB	181, 255, 54
Decimal	16757046
CIELab	77.85, 18.65, 69.55
CIELCh	78, 72.008, 74.988
Yxy	52.9586, 0.4752, 0.4367
Android (android.graphics.Color)	4294947126 (0xFFFFB136)
YUV	186.3000, -65.2239, 60.2499
Hunter-Lab	72.7727, 13.9908, 42.2325

Details

The YIQ color **186.3000, 85.9710, -21.7170** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **122.7000, -85.9710, 21.7170**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **225.5560, 52.5950, -33.5890**, and **131.0820, 80.6530, -24.4590** is the 20% darker color. If you saturate the color by 10%, you get **177.5800, 96.7460, -24.2620**, and if you desaturate by 10%, it is **195.1340, 74.8750, -18.8610**.

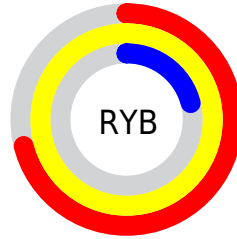
Distribution



Red (100%)

Green (69%)

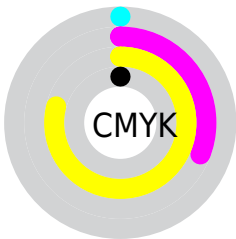
Blue (21%)



Red (71%)

Yellow (100%)

Blue (21%)

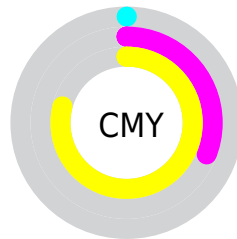


Cyan (0%)

Magenta (31%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 186.3000, 85.9710, -21.7170 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 186.3000, 85.9710, -21.7170 by changing the saturation by 10% instead.


 186.3000, 85.9710,
-21.7170


 186.3000, 85.9710,
-21.7170


255.0000, -0.0000,
-0.0000


 157.3060, 85.8340,
-24.7420


 225.5560, 52.5950,
-33.5890


 130.4950, 80.9280,
-23.9360


 241.6620, 37.5570,
-36.3870


 107.4370, 69.6480,
-17.7440


 244.8540, 28.5690,
-27.6790

 84.3790, 58.3680,
-11.5520

 248.0460, 19.5810,
-18.9710

 62.2070, 47.4090,
-5.6710

 251.3520, 10.2720,
-9.9520

 40.9210, 36.7710,
-0.1010

254.6580, 0.9630,

 20.5210, 26.4540,

-0.9330

5.1580

■ 6.2790, 12.5160,
4.4520

■ 0.0000, 0.0000,
0.0000

■ 186.3000, 85.9710,
-21.7170

■ 186.3000, 85.9710,
-21.7170

■ 177.5800, 96.7460,
-24.2620

■ 195.1340, 74.8750,
-18.8610

■ 168.7460,
107.8420, -27.1180

■ 203.8540, 64.1000,
-16.3160

■ 167.8170,
109.0800, -27.5280

■ 212.6880, 53.0040,
-13.4600

■ 221.4080, 42.2290,
-10.9150

■ 229.6550, 31.4080,
-7.5360

■ 238.3750, 20.6330,
-4.9910

■ 247.2090, 9.5370,
-2.1350

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



175.6950, 78.6300, 6.7100



186.3000, 85.9710, -21.7170



181.1770, 45.8120, -48.3320

Triad

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



186.3000, 85.9710, -21.7170



157.7250, -134.1000, -47.7000



194.4510, 16.5890, 46.2930

Complementary

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



186.3000, 85.9710, -21.7170



122.7000, -85.9710, 21.7170

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.



177.3990, -57.8630, 7.9050



186.3000, 85.9710, -21.7170



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.



186.3000, 85.9710, -21.7170



147.9840, -110.8050, -67.9010



151.7530, -139.3300, -30.0020



181.5960, 41.3460, 54.6740

Rectangle

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



186.3000, 85.9710, -21.7170



175.6590, 6.1080, -55.6520



151.7530, -139.3300, -30.0020



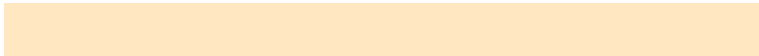
191.3510, -4.0410, 34.7030

Sweetspot

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



186.3000, 85.9710, -21.7170



233.9580, 26.1810, -6.4190



123.2190, 94.1160, 67.4920



114.9770, 16.0020, -3.6620



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.



186.3000, 85.9710, -21.7170



172.2340, 103.5320, -26.1000



226.1060, 52.6010, -66.7510



123.5830, 5.5480, -1.4280



125.7880, 81.6610, -20.6990



42.0290, 27.4190, -6.8290

Inverse Universe

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



122.7000, -85.9710, 21.7170



95.7660, -103.5320, 26.1000



82.8940, -52.6010, 66.7510



119.4170, -5.5480, 1.4280



65.2120, -81.6610, 20.6990



21.9710, -27.4190, 6.8290

Previews

White Background



This preview shows how the YIQ color 186.3000, 85.9710, -21.7170 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 186.3000, 85.9710, -21.7170 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 186.3000, 85.9710, -21.7170

Background



This preview shows how black text looks on a background with the YIQ color 186.3000, 85.9710, -21.7170.



This preview shows how white text looks on a background with the YIQ color 186.3000, 85.9710, -21.7170.

-21.7170.

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

186.3000, 85.9710, -21.7170

Protanopia

184.4870, 57.0430, -37.1090

Deuteranopia

185.7070, 77.2150, -28.2330



Tritanopia

195.9680, 47.7250, 21.6530

Trichromacy



Original Color

186.3000, 85.9710, -21.7170

Protanomaly

185.0370, 67.3580, -31.3140

Deuteranomaly

186.1420, 80.4240, -25.8160

Tritanomaly

192.4850, 61.6660, 5.7780

Monochromacy



Original Color

186.3000, 85.9710, -21.7170

Achromatopsia

186.0000, -0.0000, -0.0000

Achromatomaly

186.2420, 31.1330, -8.0590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 186.3000, 85.9710, -21.7170 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(255, 177, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 54)  
}
```

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(255, 177, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 54) }
```

Border

The CSS property to change the border of an element to YIQ 186.3000, 85.9710, -21.7170 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(255, 177, 54) }
```


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

```
.border{ border-color:rgb(255, 177, 54) }
```

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

Here you see how a box with a 4 pixel rgb(255, 177, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
54) }
```

Background

The CSS property to change the background color of an element to YIQ 186.3000, 85.9710, -21.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 54) }
```

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

```
.background{ background-color: rgb(255,  
177, 54) }
```

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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