

# Converting Colors

YIQ(188.4320, 77.2120,  
-11.6520)

Have a look what the booklet for  
YIQ(188.4320, 77.2120, -11.6520)  
contains.

<b>YIQ(188.4320, 77.2120, -11.6520)</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(188.4320, 77.2120,  
-11.6520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF53
RGB	255, 175, 83
RGB Percent	100%, 69%, 33%
CMY	0.0000, 0.3138, 0.6741
CMYK	0.00, 0.31, 0.67, 0.00
HSL	32°, 100%, 66%
HSV	32°, 67%, 100%
XYZ	58.1284, 52.5328, 15.2793
YIQ	188.4320, 77.2120, -11.6520

# Conversions

## Conversions Part 2

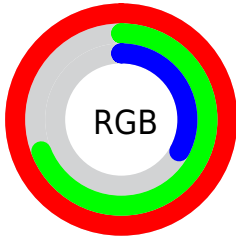
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 255, 83
Decimal	16756563
CIE Lab	77.60, 20.97, 57.45
CIE LCh	78, 61.153, 69.946
Yxy	52.5328, 0.4616, 0.4171
Android (android.graphics.Color)	4294946643 (0xFFFFAF53)
YUV	188.4320, -51.9780, 58.3801
Hunter-Lab	72.4795, 16.3176, 38.2368

# Details

The YIQ color **188.4320, 77.2120, -11.6520** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **149.5680, -77.2120, 11.6520**, and the grayscale version is **189.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.3460, 44.7990, -24.4570**, and **132.9260, 72.7650, -13.6590** is the 20% darker color. If you saturate the color by 10%, you get **178.5380, 88.5370, -13.1510**, and if you desaturate by 10%, it is **198.4400, 65.5660, -9.8420**.

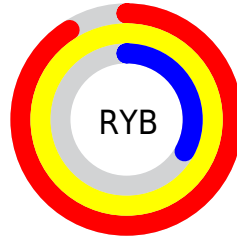
# Distribution



Red (100%)

Green (69%)

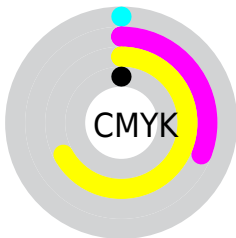
Blue (33%)



Red (91%)

Yellow (100%)

Blue (33%)

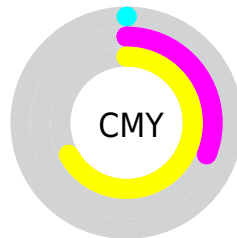


Cyan (0%)

Magenta (31%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 188.4320, 77.2120, -11.6520 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 188.4320, 77.2120, -11.6520 by changing the saturation by 10% instead.



188.4320, 77.2120,  
-11.6520

188.4320, 77.2120,  
-11.6520

255.0000, -0.0000,  
-0.0000

160.3500, 74.5070,  
-12.1890

227.3460, 44.7990,  
-24.4570

132.9260, 72.7650,  
-13.6590

244.5120, 29.5320,  
-28.6120

105.9750, 71.0690,  
-15.9630

247.7040, 20.5440,  
-19.9040

82.9170, 59.7890,  
-9.7710

251.0100, 11.2350,  
-10.8850

61.0440, 49.4260,  
-3.6780

254.3160, 1.9260,  
-1.8660

40.0460, 37.9170,  
1.1570

19.3580, 28.4710,

7.1510

■ 6.8770, 13.7080,  
4.8760

■ 0.0000, 0.0000,  
0.0000

■ 188.4320, 77.2120,  
-11.6520

■ 188.4320, 77.2120,  
-11.6520

■ 178.5380, 88.5370,  
-13.1510

■ 198.4400, 65.5660,  
-9.8420

■ 168.5300,  
100.1830, -14.9610

■ 208.3340, 54.2410,  
-8.3430

■ 158.6360,  
111.5080, -16.4600

■ 218.3420, 42.5950,  
-6.5330

■ 156.0770,  
114.5800, -17.0680

■ 227.6490, 31.5450,  
-4.5110

■ 237.6570, 19.8990,  
-2.7010

■ 247.5510, 8.5740,  
-1.2020

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.



180.5510, 70.4680, 11.4600



188.4320, 77.2120, -11.6520



184.3810, 45.7180, -35.6100

# Triad

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



188.4320, 77.2120, -11.6520



153.0800, -127.9100, -49.7500



194.0530, 2.7900, 37.5580

# Complementary

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



188.4320, 77.2120, -11.6520



149.5680, -77.2120, 11.6520

# 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.



178.8500, -60.7510, 5.1770



188.4320, 77.2120, -11.6520



156.4490, -141.5300, -34.1860

# Square

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



188.4320, 77.2120, -11.6520



157.7490, -81.9220, -57.2020



151.1660, -139.0550, -29.4790



190.1560, 36.5330, 48.2850



# Rectangle

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



188.4320, 77.2120, -11.6520



180.3000, 14.9090, -44.4430



151.1660, -139.0550, -29.4790



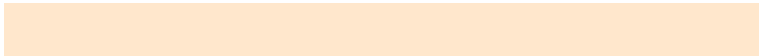
190.9750, -14.9060, 27.8620

# Sweetspot

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



188.4320, 77.2120, -11.6520



235.0980, 22.9710, -3.3090



143.5480, 76.8320, 61.3440



115.6610, 14.0760, -1.7960



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.



188.4320, 77.2120, -11.6520



175.0500, 92.8470, -14.1690



233.5980, 51.6360, -54.7640



122.9960, 5.8230, -0.9050



116.9830, 85.7860, -12.8540

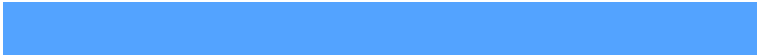


39.0940, 28.7940, -4.2140



# Inverse Universe

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



149.5680, -77.2120, 11.6520



128.5370, -93.1220, 13.6460



104.4020, -51.6360, 54.7640



120.0040, -5.8230, 0.9050



74.0170, -85.7860, 12.8540



24.9060, -28.7940, 4.2140



# Previews

## White Background



This preview shows how the YIQ color 188.4320, 77.2120, -11.6520 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 188.4320, 77.2120, -11.6520 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 188.4320, 77.2120, -11.6520

## Background



This preview shows how black text looks on a background with the YIQ color 188.4320, 77.2120, -11.6520.



This preview shows how white text looks on a background with the YIQ color 188.4320, 77.2120, -11.6520.

-11.6520.

# 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

188.4320, 77.2120, -11.6520

### Protanopia

186.4230, 45.9000, -27.8920

### Deuteranopia

187.8170, 65.5220, -20.0620



## Tritanopia

195.2670, 48.3210, 21.8650

# Trichromacy



## Original Color

188.4320, 77.2120, -11.6520

## Protanomaly

187.1580, 57.1320, -22.1960

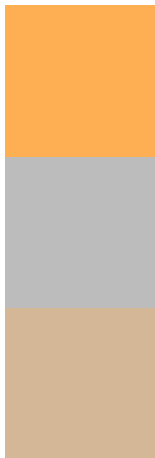
## Deuteranomaly

187.9640, 69.6020, -16.9100

## Tritanomaly

193.0380, 58.7310, 9.4110

# Monochromacy



## Original Color

188.4320, 77.2120, -11.6520

## Achromatopsia

188.0000, 0.0000, 0.0000

## Achromatomaly

187.9090, 27.8770, -4.1150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 188.4320, 77.2120, -11.6520 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, 175, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 83)  
}
```

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, 175, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 188.4320, 77.2120, -11.6520 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, 175, 83) }
```



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

```
.border{ border-color:rgb(255, 175, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
83) }
```

# Background

The CSS property to change the background color of an element to YIQ 188.4320, 77.2120, -11.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 83) }
```

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

```
.background{ background-color: rgb(255,  
175, 83) }
```

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