

Converting Colors

YIQ(180.6310, 66.3460,
-12.9660)

Have a look what the booklet for
YIQ(180.6310, 66.3460, -12.9660)
contains.

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Color

**YIQ(180.6310, 66.3460,
-12.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	ECAB55
RGB	236, 171, 85
RGB Percent	93%, 67%, 33%
CMY	0.0744, 0.3295, 0.6663
CMYK	0.00, 0.28, 0.64, 0.07
HSL	34°, 80%, 63%
HSV	34°, 64%, 93%
XYZ	50.8014, 47.6099, 15.1240
YIQ	180.6310, 66.3460, -12.9660

Conversions

Conversions Part 2

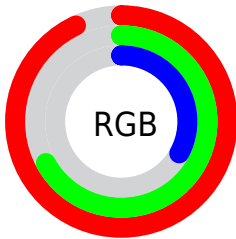
Format	Color
R _Y B	199, 236, 85
Decimal	15510357
CIE Lab	74.58, 15.35, 52.59
CIE LCh	75, 54.786, 73.730
Yxy	47.6099, 0.4475, 0.4193
Android (android.graphics.Color)	4293700437 (0xFFECAB55)
YUV	180.6310, -47.1461, 48.5586
Hunter-Lab	68.9999, 10.6712, 35.3043

Details

The YIQ color **180.6310, 66.3460, -12.9660** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **140.3690, -66.3460, 12.9660**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **224.5250, 45.8530, -21.5310**, and **126.2390, 61.5780, -14.6620** is the 20% darker color. If you saturate the color by 10%, you get **172.0250, 76.8000, -15.2000**, and if you desaturate by 10%, it is **189.2370, 55.8920, -10.7320**.

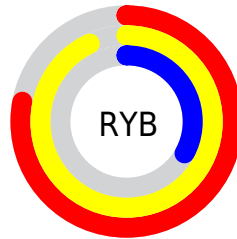
Distribution



Red (93%)

Green (67%)

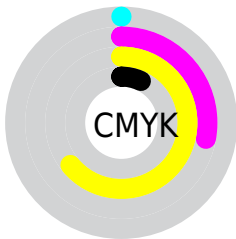
Blue (33%)



Red (78%)

Yellow (93%)

Blue (33%)

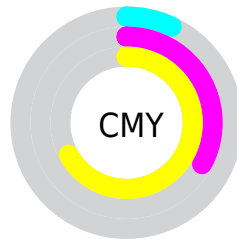


Cyan (0%)

Magenta (28%)

Yellow (64%)

Black (7%)



Cyan (7%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.6310, 66.3460, -12.9660 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 180.6310, 66.3460, -12.9660 by changing the saturation by 10% instead.

180.6310, 66.3460,
-12.9660

180.6310, 66.3460,
-12.9660

255.0000, -0.0000,
-0.0000

152.8480, 64.2370,
-13.2910

224.6390, 45.5320,
-21.2200

126.2390, 61.5780,
-14.6620

244.7400, 28.8900,
-27.9900

99.1310, 61.7620,
-17.9980

247.8180, 20.2230,
-19.5930

76.6710, 51.6740,
-11.3820

251.1240, 10.9140,
-10.5740

55.3850, 41.0360,
-5.8120

254.4300, 1.6050,
-1.5550

34.6860, 30.1230,
-0.7650

14.0090, 22.1440,

6.1760

■ 0.0000, 0.0000,
0.0000

■ 180.6310, 66.3460,
-12.9660

■ 180.6310, 66.3460,
-12.9660

■ 172.0250, 76.8000,
-15.2000

■ 189.2370, 55.8920,
-10.7320

■ 163.5330, 86.9330,
-17.1230

■ 197.7290, 45.7590,
-8.8090

■ 154.3400, 97.6620,
-18.8340

■ 206.3350, 35.3050,
-6.5750

■ 149.2220,
103.8060, -20.0500

■ 215.4140, 24.8970,
-5.1750

■ 224.0200, 14.4430,
-2.9410

■ 232.6260, 3.9890,
-0.7070

■ 241.1180, -6.1440,
1.2160

■ 247.5580,
-10.4990, -2.4590

■ 249.3190,
-11.3240, -4.0280

Harmonies

Analogous

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



179.2800, 72.6690, 10.1170



180.6310, 66.3460, -12.9660



176.6990, 36.1350, -32.6410

Triad

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



180.6310, 66.3460, -12.9660



146.1670, -123.6010, -45.2410



188.4600, 3.2020, 41.1060

Complementary

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



180.6310, 66.3460, -12.9660



140.3690, -66.3460, 12.9660

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.



177.1770, -48.1900, 14.3220



180.6310, 66.3460, -12.9660



149.6500, -137.5420, -29.3660

Square

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



180.6310, 66.3460, -12.9660



153.1180, -78.3470, -50.4030



144.7090, -136.0300, -23.7260



185.0550, 44.0070, 44.9910

Rectangle

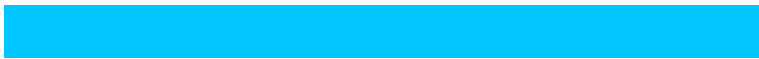
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



180.6310, 66.3460, -12.9660



172.9280, 7.3890, -40.3150



144.7090, -136.0300, -23.7260



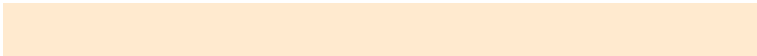
185.9910, -11.8350, 32.7810

Sweetspot

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



180.6310, 66.3460, -12.9660



237.2010, 21.1830, -3.9450



137.5590, 69.1310, 52.2270



116.9490, 13.2050, -2.5310



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.



180.6310, 66.3460, -12.9660



182.7610, 86.2910, -16.5010



215.7960, 42.5110, -49.0810



112.8110, 4.9060, -0.8060



114.5800, 79.5510, -15.4970



33.7560, 23.9340, -4.2420

Inverse Universe

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



140.3690, -66.3460, 12.9660



130.6520, -86.0160, 17.0240



105.2040, -42.5110, 49.0810



110.1890, -4.9060, 0.8060



66.4200, -79.5510, 15.4970



19.6570, -23.6590, 4.7650

Previews

White Background



This preview shows how the YIQ color 180.6310, 66.3460, -12.9660 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 180.6310, 66.3460, -12.9660 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 180.6310, 66.3460, -12.9660

Background



This preview shows how black text looks on a background with the YIQ color 180.6310, 66.3460, -12.9660.



This preview shows how white text looks on a background with the YIQ color 180.6310, 66.3460,

-12.9660.

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

180.6310, 66.3460, -12.9660

Protanopia

178.8510, 41.8190, -25.5170

Deuteranopia

180.1740, 60.2030, -17.2770



Tritanopia

186.5870, 44.4240, 20.9040

Trichromacy



Original Color

180.6310, 66.3460, -12.9660

Protanomaly

179.3900, 50.6670, -20.6690

Deuteranomaly

180.4840, 62.2660, -16.1180

Tritanomaly

184.6890, 52.4040, 8.4360

Monochromacy



Original Color

180.6310, 66.3460, -12.9660

Achromatopsia

181.0000, -0.0000, 0.0000

Achromatomaly

180.6420, 24.2550, -4.5530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.6310, 66.3460, -12.9660 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(236, 171, 85)` looks like.

```
.text, #text, p{  
    color:rgb(236, 171, 85)  
}
```

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(236, 171, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 171, 85) }
```

Border

The CSS property to change the border of an element to YIQ 180.6310, 66.3460, -12.9660 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(236, 171, 85) }
```


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

```
.border{ border-color:rgb(236, 171, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 171, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 171, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 171, 85);  
box-shadow:4px 4px 4px 4px rgb(236, 171,  
85) }
```

Background

The CSS property to change the background color of an element to YIQ 180.6310, 66.3460, -12.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 171, 85) }
```

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

```
.background{ background-color: rgb(236,  
171, 85) }
```

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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