

Converting Colors

YIQ(158.3290, 60.6640,
-31.1440)

Have a look what the booklet for
YIQ(158.3290, 60.6640, -31.1440)
contains.

YIQ(158.3290, 60.6640, -31.1440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(158.3290, 60.6640,
-31.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A226
RGB	197, 162, 38
RGB Percent	77%, 64%, 15%
CMY	0.2274, 0.3647, 0.8506
CMYK	0.00, 0.18, 0.81, 0.23
HSL	47°, 68%, 46%
HSV	47°, 81%, 77%
XYZ	36.2953, 37.8464, 7.2331
YIQ	158.3290, 60.6640, -31.1440

Conversions

Conversions Part 2

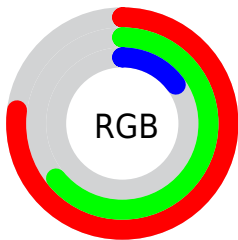
Format	Color
RYB	83, 197, 38
Decimal	12952102
CIELab	67.91, 1.08, 63.67
CIELCh	68, 63.677, 89.028
Yxy	37.8464, 0.4460, 0.4651
Android (android.graphics.Color)	4291142182 (0xFFC5A226)
YUV	158.3290, -59.3222, 33.9145
Hunter-Lab	61.5194, -2.3474, 36.0926

Details

The YIQ color **158.3290, 60.6640, -31.1440** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **76.6710, -60.6640, 31.1440**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **214.3400, 62.1310, -30.1970**, and **106.7180, 52.3190, -28.5850** is the 20% darker color. If you saturate the color by 10%, you get **153.7010, 68.1840, -35.2720**, and if you desaturate by 10%, it is **162.9570, 53.1440, -27.0160**.

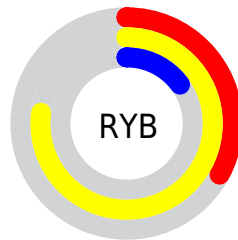
Distribution



Red (77%)

Green (64%)

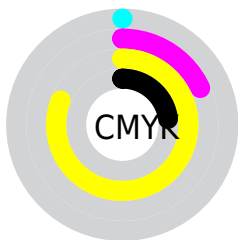
Blue (15%)



Red (33%)

Yellow (77%)

Blue (15%)

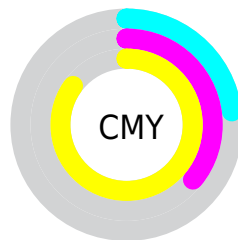


Cyan (0%)

Magenta (18%)

Yellow (81%)

Black (23%)



Cyan (23%)


Magenta (36%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 158.3290, 60.6640, -31.1440 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 158.3290, 60.6640, -31.1440 by changing the saturation by 10% instead.


 158.3290, 60.6640,
-31.1440


 158.3290, 60.6640,
-31.1440


255.0000, -0.0000,
-0.0000


 130.0640, 62.7280,
-35.5120


 213.8670, 62.0850,
-29.3630


 106.7180, 52.3190,
-28.5850


 233.9680, 45.4430,
-36.1330


 84.2580, 42.2310,
-21.9690


 242.9160, 34.0260,
-32.9660

 62.3850, 31.8680,
-15.8760

 246.1080, 25.0380,
-24.2580

 41.6970, 22.4220,
-9.8820

 249.4140, 15.7290,
-15.2390

 22.4820, 13.0220,
-4.7220

 252.7200, 6.4200,

 0.0000, 0.0000,

-6.2200

0.0000

■ 158.3290, 60.6640,
-31.1440

■ 158.3290, 60.6640,
-31.1440

■ 153.7010, 68.1840,
-35.2720

■ 162.9570, 53.1440,
-27.0160

■ 149.3010, 75.0620,
-38.7780

■ 168.0580, 45.6700,
-23.7220

■ 172.6860, 38.1500,
-19.5940

■ 177.3140, 30.6300,
-15.4660

■ 182.5290, 22.8350,
-11.8610

■ 187.0430, 15.6360,
-8.0440

■ 191.6710, 8.1160,
-3.9160

■ 196.8860, 0.3210,
-0.3110

■ 201.4000, -6.8780,
3.5060

Harmonies

Analogous

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



161.7630, 83.9500, -1.6020



158.3290, 60.6640, -31.1440



152.7300, 16.5140, -45.9980

Triad

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



158.3290, 60.6640, -31.1440



137.7840, -123.4200, -31.9960



169.3930, 31.6720, 53.7840

Complementary

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



158.3290, 60.6640, -31.1440



76.6710, -60.6640, 31.1440

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.



166.1450, -26.8280, 34.6760



158.3290, 60.6640, -31.1440



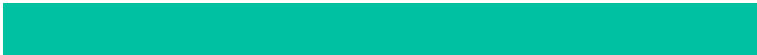
138.2520, -133.0050, -17.9730

Square

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



158.3290, 60.6640, -31.1440



131.7590, -105.0770, -50.5570



130.6210, -129.4300, -11.1740



161.3690, 66.6100, 48.3540

Rectangle

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



158.3290, 60.6640, -31.1440



146.1950, -24.5200, -51.2400



130.6210, -129.4300, -11.1740



170.2320, 13.0120, 50.5480

Sweetspot

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



158.3290, 60.6640, -31.1440



240.4150, 23.1560, -12.1720



89.7590, 82.8870, 45.2150



118.4990, 14.3520, -6.8000



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.



158.3290, 60.6640, -31.1440



195.1440, 94.1370, -48.5750



166.3160, 26.0070, -58.3530



96.8000, 3.4390, -1.7530



123.2860, 62.2230, -31.8650



27.2000, 13.7560, -7.0120

Inverse Universe

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



76.6710, -60.6640, 31.1440



67.8560, -94.1370, 48.5750



68.6840, -26.0070, 58.3530



92.2000, -3.4390, 1.7530



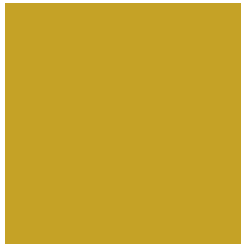
39.7140, -62.2230, 31.8650



8.8000, -13.7560, 7.0120

Previews

White Background



This preview shows how the YIQ color 158.3290, 60.6640, -31.1440 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 158.3290, 60.6640, -31.1440 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 158.3290, 60.6640, -31.1440

Background



This preview shows how black text looks on a background with the YIQ color 158.3290, 60.6640, -31.1440.



This preview shows how white text looks on a background with the YIQ color 158.3290, 60.6640, -31.1440.

-31.1440.

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

158.3290, 60.6640, -31.1440

Protanopia

157.5020, 52.6870, -35.2570

Deuteranopia

158.9110, 67.9530, -25.5750



Tritanopia

168.5140, 28.3320, 15.1800

Trichromacy



Original Color

158.3290, 60.6640, -31.1440

Protanomaly

158.1110, 55.3460, -33.8860

Deuteranomaly

158.7750, 65.3400, -27.7800

Tritanomaly

164.8350, 39.8890, -1.5430

Monochromacy



Original Color

158.3290, 60.6640, -31.1440

Achromatopsia

158.0000, -0.0000, 0.0000

Achromatomaly

157.7570, 22.1930, -11.2390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 158.3290, 60.6640, -31.1440 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(197, 162, 38)` looks like.

```
.text, #text, p{  
    color:rgb(197, 162, 38)  
}
```

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(197, 162, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 162, 38) }
```

Border

The CSS property to change the border of an element to YIQ 158.3290, 60.6640, -31.1440 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(197, 162, 38) }
```


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

```
.border{ border-color:rgb(197, 162, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 162, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 162, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 162, 38);  
box-shadow:4px 4px 4px 4px rgb(197, 162,  
38) }
```

Background

The CSS property to change the background color of an element to YIQ 158.3290, 60.6640, -31.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 162, 38) }
```

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

```
.background{ background-color: rgb(197,  
162, 38) }
```

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