

Converting Colors

YIQ(159.9390, 61.5820,
-36.7700)

Have a look what the booklet for
YIQ(159.9390, 61.5820, -36.7700)
contains.

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Color

**YIQ(159.9390, 61.5820,
-36.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A71D
RGB	196, 167, 29
RGB Percent	77%, 65%, 11%
CMY	0.2314, 0.3451, 0.8859
CMYK	0.00, 0.15, 0.85, 0.23
HSL	50°, 74%, 44%
HSV	50°, 85%, 77%
XYZ	36.8031, 39.4572, 6.8445
YIQ	159.9390, 61.5820, -36.7700

Conversions

Conversions Part 2

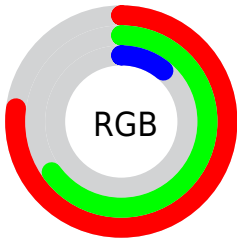
Format	Color
RYB	64, 196, 29
Decimal	12887837
CIELab	69.08, -2.30, 67.17
CIElCh	69, 67.208, 91.957
Yxy	39.4572, 0.4429, 0.4748
Android (android.graphics.Color)	4291077917 (0xFFC4A71D)
YUV	159.9390, -64.5529, 31.6255
Hunter-Lab	62.8149, -5.3434, 37.5101

Details

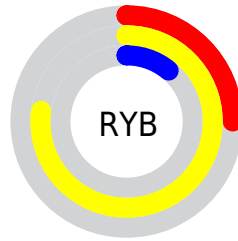
The YIQ color **159.9390, 61.5820, -36.7700** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **65.0610, -61.5820, 36.7700**, and the grayscale version is **161.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **216.7050, 62.3610, -34.3670**, and **109.3540, 50.3480, -31.4120** is the 20% darker color. If you saturate the color by 10%, you get **155.8980, 68.8270, -41.4210**, and if you desaturate by 10%, it is **163.9800, 54.3370, -32.1190**.

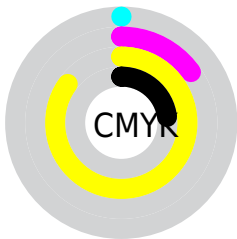
Distribution



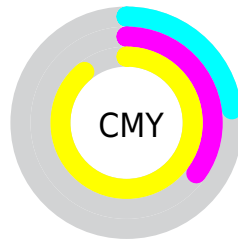
- Red (77%)
- Green (65%)
- Blue (11%)



- Red (25%)
- Yellow (77%)
- Blue (11%)



- Cyan (0%)
- Magenta (15%)
- Yellow (85%)
- Black (23%)





- Cyan (23%)
- Magenta (35%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.9390, 61.5820, -36.7700 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 159.9390, 61.5820, -36.7700 by changing the saturation by 10% instead.

 159.9390, 61.5820,
-36.7700


 159.9390, 61.5820,
-36.7700


255.0000, -0.0000,
-0.0000


 132.7000, 60.7570,
-38.3390


 216.7050, 62.3610,
-34.3670


 109.3540, 50.3480,
-31.4120


 236.3330, 45.6730,
-40.3030


 86.3070, 40.5350,
-24.2730


 242.3460, 35.6310,
-34.5210

 64.4340, 30.1720,
-18.1800

 245.6520, 26.3220,
-25.5020

 43.4470, 20.1300,
-12.3980

 248.8440, 17.3340,
-16.7940

 24.5310, 11.3260,
-7.0260

 252.1500, 8.0250,

 0.0000, 0.0000,

-7.7750

0.0000

■ 159.9390, 61.5820,
-36.7700

■ 159.9390, 61.5820,
-36.7700

■ 155.8980, 68.8270,
-41.4210

■ 163.9800, 54.3370,
-32.1190

■ 153.6980, 72.2660,
-43.1740

■ 168.4940, 47.1380,
-28.3020

■ 172.5350, 39.8930,
-23.6510

■ 177.0490, 32.6940,
-19.8340

■ 181.0900, 25.4490,
-15.1830

■ 185.1310, 18.2040,
-10.5320

■ 189.6450, 11.0050,
-6.7150

■ 193.6860, 3.7600,
-2.0640

■ 198.2000, -3.4390,
1.7530

Harmonies

Analogous

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



164.0960, 87.2060, -5.5460



159.9390, 61.5820, -36.7700



154.3440, 11.6090, -50.7190

Triad

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



159.9390, 61.5820, -36.7700



142.0870, -128.6470, -30.8790



171.9210, 39.0530, 57.6850

Complementary

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



159.9390, 61.5820, -36.7700



65.0610, -61.5820, 36.7700

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.



169.7330, -19.6760, 37.2200



159.9390, 61.5820, -36.7700



140.6000, -134.1050, -20.0650

Square

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



159.9390, 61.5820, -36.7700



135.1330, -109.0660, -49.8500



131.2080, -129.7050, -11.6970



159.8530, 68.1230, 48.4670

Rectangle

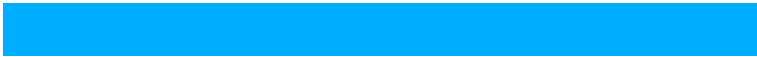
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



159.9390, 61.5820, -36.7700



145.5850, -34.6060, -55.6780



131.2080, -129.7050, -11.6970



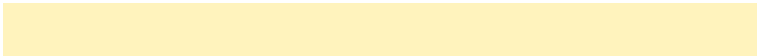
173.4610, 19.7970, 54.2370

Sweetspot

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



159.9390, 61.5820, -36.7700



240.4320, 24.4860, -14.2500



82.4670, 89.5810, 45.0450



119.3310, 14.7650, -8.7790



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.



159.9390, 61.5820, -36.7700



200.1020, 93.9550, -56.2930



161.1150, 22.0190, -63.1730



94.6860, 3.7600, -2.0640



126.2100, 59.3810, -35.4270



25.7160, 12.2430, -7.1250

Inverse Universe

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



65.0610, -61.5820, 36.7700



54.8980, -93.9550, 56.2930



63.8850, -22.0190, 63.1730



89.3140, -3.7600, 2.0640



34.7900, -59.3810, 35.4270



7.2840, -12.2430, 7.1250

Previews

White Background



This preview shows how the YIQ color 159.9390, 61.5820, -36.7700 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 159.9390, 61.5820, -36.7700 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 159.9390, 61.5820, -36.7700

Background



This preview shows how black text looks on a background with the YIQ color 159.9390, 61.5820, -36.7700.



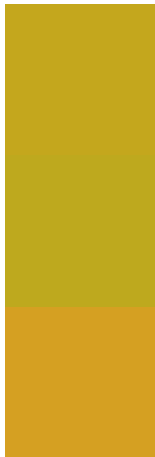
This preview shows how white text looks on a background with the YIQ color 159.9390, 61.5820, -36.7700.

-36.7700.

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

159.9390, 61.5820, -36.7700

Protanopia

159.4330, 57.1350, -38.7770

Deuteranopia

161.4830, 72.0340, -27.9500



Tritanopia

171.3180, 25.9480, 14.3320

Trichromacy



Original Color

159.9390, 61.5820, -36.7700

Protanomaly

159.4440, 58.6020, -37.8300

Deuteranomaly

161.2220, 68.2750, -31.4130

Tritanomaly

167.0690, 39.1100, -3.9460

Monochromacy



Original Color

159.9390, 61.5820, -36.7700

Achromatopsia

160.0000, 0.0000, -0.0000

Achromatomaly

160.1760, 22.3310, -13.7410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.9390, 61.5820, -36.7700 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(196, 167, 29)` looks like.

```
.text, #text, p{  
    color:rgb(196, 167, 29)  
}
```

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(196, 167, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 167, 29) }
```

Border

The CSS property to change the border of an element to YIQ 159.9390, 61.5820, -36.7700 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(196, 167, 29) }
```


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

```
.border{ border-color:rgb(196, 167, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 167, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 167, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 167, 29);  
box-shadow:4px 4px 4px 4px rgb(196, 167,  
29) }
```

Background

The CSS property to change the background color of an element to YIQ 159.9390, 61.5820, -36.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 167, 29) }
```

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

```
.background{ background-color: rgb(196,  
167, 29) }
```

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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