

# Converting Colors

YIQ(63.6100, 116.6790, 38.5270)

Have a look what the booklet for  
YIQ(63.6100, 116.6790, 38.5270)  
contains.

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# Color

**YIQ(63.6100, 116.6790,  
38.5270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C70700
RGB	199, 7, 0
RGB Percent	78%, 3%, 0%
CMY	0.2192, 0.9727, 0.9995
CMYK	0.00, 0.97, 1.00, 0.22
HSL	2°, 100%, 39%
HSV	2°, 100%, 78%
XYZ	23.6596, 12.3084, 1.1322
YIQ	63.6100, 116.6790, 38.5270

# Conversions

## Conversions Part 2

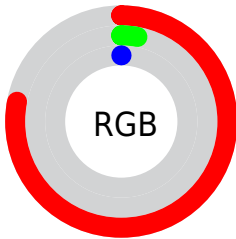
Format	Color
<a href="#">RYB</a>	199, 7, 0
Decimal	13043456
CIELab	41.70, 65.81, 55.83
CIElCh	42, 86.305, 40.310
Yxy	12.3084, 0.6377, 0.3318
Android (android.graphics.Color)	4291233536 (0xFFC70700)
YUV	63.6100, -31.3597, 118.7370
Hunter-Lab	35.0833, 58.9816, 22.6449

# Details

The YIQ color **63.6100, 116.6790, 38.5270** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **135.3900, -116.6790, -38.5270**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **132.6550, 111.6380, 25.2540**, and **40.0660, 79.8640, 28.4080** is the 20% darker color. If you saturate the color by 10%, you get **63.6100, 116.6790, 38.5270**, and if you desaturate by 10%, it is **77.0430, 105.0340, 34.8100**.

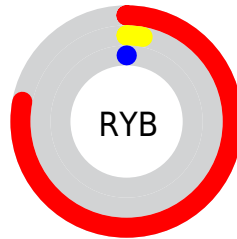
# Distribution



Red (78%)

Green (3%)

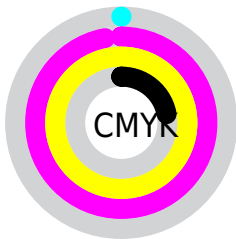
Blue (0%)



Red (78%)

Yellow (3%)

Blue (0%)

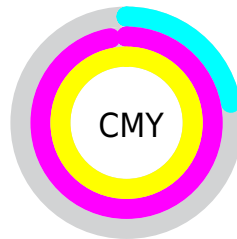


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (97%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 63.6100, 116.6790, 38.5270 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 63.6100, 116.6790, 38.5270 by changing the saturation by 10% instead.





 63.6100, 116.6790,  
38.5270


 63.6100, 116.6790,  
38.5270


 253.0620, 5.4570,  
-5.2870


 49.9330, 99.5320,  
35.4040


 132.6550,  
111.6380, 25.2540


 40.3650, 80.4600,  
28.6200


 152.5280, 95.6380,  
17.8620


 30.7970, 61.3880,  
21.8360

 172.4010, 79.6380,  
10.4700

 22.4680, 43.1410,  
16.6210

 192.3880, 63.3170,  
3.3890

 12.9710, 25.3070,  
9.4270

 212.3750, 46.9960,  
-3.6920

 0.0000, 0.0000,  
0.0000

 233.1770, 29.7580,

-10.6740

■ 249.8700, 14.4450,  
-13.9950

■ 63.6100, 116.6790,  
38.5270

■ 77.0430, 105.0340,  
34.8100

■ 90.4760, 93.3890,  
31.0930

■ 104.4960, 81.4690,  
26.8530

■ 117.9290, 69.8240,  
23.1360

■ 131.3620, 58.1790,  
19.4190

■ 144.7950, 46.5340,  
15.7020

■ 158.8150, 34.6140,  
11.4620

■ 172.1340, 23.2900,  
7.4340

■ 185.5670, 11.6450,  
3.7170

# Harmonies

## Analogous

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



73.4760, 103.6980, 70.0500



63.6100, 116.6790, 38.5270



91.5550, 72.6720, -6.4640

# Triad

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



63.6100, 116.6790, 38.5270



77.4450, -48.5910, -50.0230



86.8750, -105.4570, 22.4390

# Complementary

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



63.6100, 116.6790, 38.5270



135.3900, -116.6790, -38.5270

# 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.



97.2300, -108.4350, 10.3250



63.6100, 116.6790, 38.5270



87.8700, -73.8120, -27.9560

# Square

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



63.6100, 116.6790, 38.5270



68.6790, -32.1750, -61.1910



95.6220, -95.6400, -6.8080



97.2960, -10.2350, 58.8610



# Rectangle

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



63.6100, 116.6790, 38.5270



92.2320, 45.1200, -24.7680



95.6220, -95.6400, -6.8080



91.7990, -108.2990, 18.8770

# Sweetspot

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



63.6100, 116.6790, 38.5270



202.8980, 44.7460, 15.0660



81.3890, 56.9720, 101.9000



96.3410, 27.1410, 9.2290



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.



63.6100, 116.6790, 38.5270



81.5280, 149.5050, 49.3530



121.7230, 89.4540, -13.2500



92.6910, 5.3640, 1.9080



52.2590, 95.4980, 31.4180



11.3510, 21.1810, 7.1090



# Inverse Universe

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



135.3900, -116.6790, -38.5270



173.4720, -149.5050, -49.3530



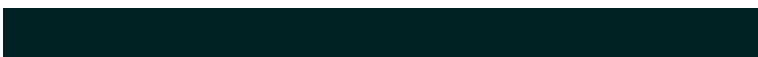
77.2770, -89.4540, 13.2500



96.3090, -5.3640, -1.9080



111.3280, -95.7730, -31.9410



24.0620, -20.9060, -6.5860



# Previews

## White Background



This preview shows how the YIQ color 63.6100, 116.6790, 38.5270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

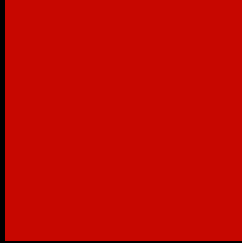
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 63.6100, 116.6790, 38.5270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 63.6100, 116.6790, 38.5270

## Background



This preview shows how black text looks on a background with the YIQ color 63.6100, 116.6790, 38.5270.



This preview shows how white text looks on a background with the YIQ color 63.6100, 116.6790,



# 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

63.6100, 116.6790, 38.5270

### Protanopia

96.0380, 31.2270, -20.7810

### Deuteranopia

94.3250, 49.2920, -23.2840

# Trichromacy



## Original Color

63.6100, 116.6790, 38.5270

## Protanomaly

84.3230, 61.9420, 0.7740

## Deuteranomaly

83.3150, 73.5880, -1.0360

# Monochromacy



## Original Color

63.6100, 116.6790, 38.5270

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.7020, 42.3620, 14.2180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.6100, 116.6790, 38.5270 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(199, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 7, 0)  
}
```

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(199, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 7, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 63.6100, 116.6790, 38.5270 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(199, 7, 0) }
```

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

```
.border{ border-color:rgb(199, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(199, 7, 0); box-shadow:4px  
4px 4px 4px rgb(199, 7, 0) }
```



# Background

The CSS property to change the background color of an element to YIQ 63.6100, 116.6790, 38.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 7, 0) }
```

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

```
.background{ background-color: rgb(199, 7,  
0) }
```

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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