

Converting Colors

YIQ(67.7410, 117.6880, 36.7600)

Have a look what the booklet for
YIQ(67.7410, 117.6880, 36.7600)
contains.

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Color

**YIQ(67.7410, 117.6880,
36.7600)**

Conversions

Conversions Part 1

Format	Color
Hex	CB0C00
RGB	203, 12, 0
RGB Percent	80%, 5%, 0%
CMY	0.2035, 0.9531, 0.9995
CMYK	0.00, 0.94, 1.00, 0.20
HSL	3°, 100%, 40%
HSV	3°, 100%, 80%
XYZ	24.7908, 12.9738, 1.2011
YIQ	67.7410, 117.6880, 36.7600

Conversions

Conversions Part 2

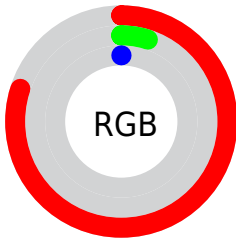
Format	Color
RYB	203, 13, 0
Decimal	13306880
CIELab	42.72, 66.34, 56.73
CIELCh	43, 87.289, 40.532
Yxy	12.9738, 0.6362, 0.3330
Android (android.graphics.Color)	4291496960 (0xFFCB0C00)
YUV	67.7410, -33.3963, 118.6221
Hunter-Lab	36.0191, 59.8223, 23.2364

Details

The YIQ color **67.7410, 117.6880, 36.7600** 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 **135.2590, -117.6880, -36.7600**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.9430, 110.7670, 24.5190**, and **41.2620, 82.2480, 29.2560** is the 20% darker color. If you saturate the color by 10%, you get **67.7410, 117.6880, 36.7600**, and if you desaturate by 10%, it is **81.1740, 106.0430, 33.0430**.

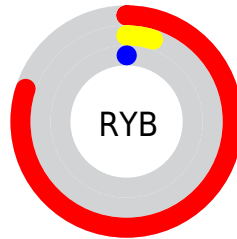
Distribution



Red (80%)

Green (5%)

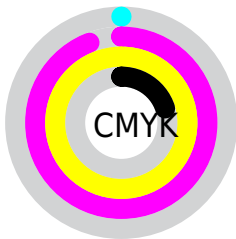
Blue (0%)



Red (80%)

Yellow (5%)

Blue (0%)

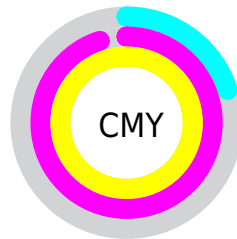


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 67.7410, 117.6880, 36.7600 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 67.7410, 117.6880, 36.7600 by changing the saturation by 10% instead.


 67.7410, 117.6880,
36.7600


 67.7410, 117.6880,
36.7600


 253.1760, 5.1360,
-4.9760


 51.1290, 101.9160,
36.2520


 133.9430,
110.7670, 24.5190


 41.2620, 82.2480,
29.2560


 153.8160, 94.7670,
17.1270


 31.9930, 63.7720,
22.6840


 173.6890, 78.7670,
9.7350

 23.2510, 45.2500,
16.9460

 193.6760, 62.4460,
2.6540


 13.9820, 26.7740,
10.3740


 213.6630, 46.1250,
-4.4270


 0.0000, 0.0000,
0.0000


 234.4650, 28.8870,


-11.4090


 249.9840, 14.1240,
-13.6840


 67.7410, 117.6880,
36.7600

 81.1740, 106.0430,
33.0430

 94.7210, 94.0770,
29.6370

 108.1540, 82.4320,
25.9200

 121.5870, 70.7870,
22.2030

 135.7210, 58.5460,
18.2740

■ 149.1540, 46.9010,
14.5570

■ 162.5870, 35.2560,
10.8400

■ 176.1340, 23.2900,
7.4340

■ 189.5670, 11.6450,
3.7170

Harmonies

Analogous

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



74.9000, 105.4400, 71.5200



67.7410, 117.6880, 36.7600



94.5120, 74.2310, -7.1850

Triad

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



67.7410, 117.6880, 36.7600



79.4340, -50.0580, -50.9700



88.5050, -107.2910, 22.6370

Complementary

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



67.7410, 117.6880, 36.7600



135.2590, -117.6880, -36.7600

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.



98.9740, -110.5900, 10.8340



67.7410, 117.6880, 36.7600



90.0870, -75.9210, -28.2810

Square

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



67.7410, 117.6880, 36.7600



70.4400, -33.0000, -62.7600



97.3660, -97.7950, -6.2990



100.1220, -9.6850, 59.9070

Rectangle

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



67.7410, 117.6880, 36.7600



94.8900, 46.0830, -25.7010



97.3660, -97.7950, -6.2990



94.1300, -110.7290, 18.8630

Sweetspot

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



67.7410, 117.6880, 36.7600



204.0720, 44.1960, 14.0200



82.6990, 59.0350, 103.0590



96.9280, 26.8660, 8.7060



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.



67.7410, 117.6880, 36.7600



85.0500, 147.8550, 46.2150



126.4410, 90.1880, -15.5400



94.9900, 5.9600, 2.1200



55.5040, 96.1860, 29.9620



12.5360, 22.0980, 7.0100

Inverse Universe

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



135.2590, -117.6880, -36.7600



169.9500, -147.8550, -46.2150



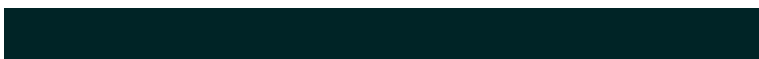
76.5590, -90.1880, 15.5400



98.4230, -5.6850, -1.5970



110.4960, -96.1860, -29.9620



25.4640, -22.0980, -7.0100

Previews

White Background



This preview shows how the YIQ color 67.7410, 117.6880, 36.7600 looks on a white background.

Color Contrast Check

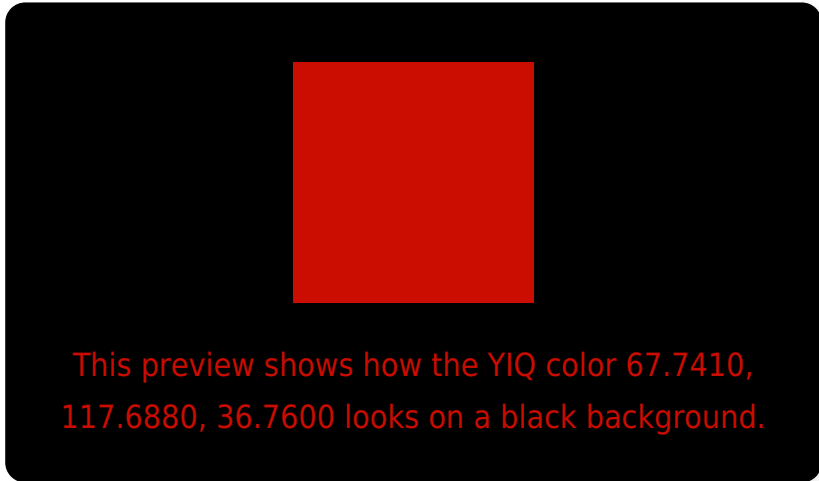
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 67.7410, 117.6880, 36.7600

Background



This preview shows how black text looks on a background with the YIQ color 67.7410, 117.6880, 36.7600.



This preview shows how white text looks on a background with the YIQ color 67.7410, 117.6880,

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

67.7410, 117.6880, 36.7600

Protanopia

97.8100, 31.8690, -21.4030

Deuteranopia

96.0970, 49.9340, -23.9060



Tritanopia

70.9640, 115.4420, 33.4100

Trichromacy



Original Color

67.7410, 117.6880, 36.7600

Protanomaly

86.9810, 62.9050, -0.1590

Deuteranomaly

85.9730, 74.5510, -1.9690

Tritanomaly

69.7900, 115.9920, 34.4560

Monochromacy



Original Color

67.7410, 117.6880, 36.7600

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.0610, 42.7290, 13.0730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.7410, 117.6880, 36.7600 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(203, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 12, 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(203, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 12, 0) }
```

Border

The CSS property to change the border of an element to YIQ 67.7410, 117.6880, 36.7600 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(203, 12, 0) }
```


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

```
.border{ border-color:rgb(203, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 12, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 67.7410, 117.6880, 36.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 12, 0) }
```

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

```
.background{ background-color: rgb(203, 12,  
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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