

Converting Colors

YIQ(104.7790, 87.0210, 3.3170)

Have a look what the booklet for
YIQ(104.7790, 87.0210, 3.3170)
contains.

YIQ(104.7790, 87.0210, 3.3170)	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(104.7790, 87.0210,
3.3170)**

Conversions

Conversions Part 1

Format	Color
Hex	BE4F0E
RGB	190, 79, 14
RGB Percent	75%, 31%, 5%
CMY	0.2547, 0.6904, 0.9447
CMYK	0.00, 0.58, 0.93, 0.25
HSL	22°, 86%, 40%
HSV	22°, 93%, 75%
XYZ	24.1220, 16.5717, 2.3463
YIQ	104.7790, 87.0210, 3.3170

Conversions

Conversions Part 2

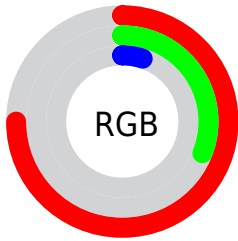
Format	Color
RYB	190, 117, 14
Decimal	12472078
CIELab	47.72, 41.93, 54.20
CIELCh	48, 68.523, 52.275
Yxy	16.5717, 0.5605, 0.3850
Android (android.graphics.Color)	4290662158 (0xFFBE4F0E)
YUV	104.7790, -44.7540, 74.7388
Hunter-Lab	40.7083, 34.5318, 25.0785

Details

The YIQ color **104.7790, 87.0210, 3.3170** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **99.2210, -87.0210, -3.3170**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.1820, 93.2560, 5.9600**, and **53.8330, 69.7340, 13.7500** is the 20% darker color. If you saturate the color by 10%, you get **97.9000, 93.9900, 3.6700**, and if you desaturate by 10%, it is **113.9890, 77.6220, 2.9500**.

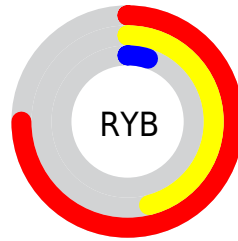
Distribution



Red (75%)

Green (31%)

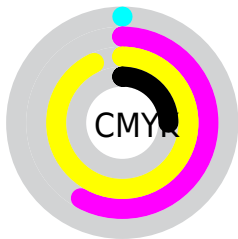
Blue (5%)



Red (75%)

Yellow (46%)

Blue (5%)

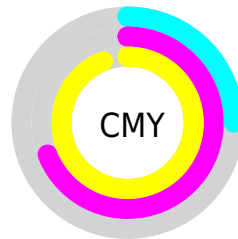


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (25%)



Cyan (25%)

Magenta (69%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 104.7790, 87.0210, 3.3170 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 104.7790, 87.0210, 3.3170 by changing the saturation by 10% instead.

■ 104.7790, 87.0210,
3.3170

■ 104.7790, 87.0210,
3.3170

■ 255.0000, -0.0000,
-0.0000

■ 78.6520, 80.1890,
5.9890

■ 160.1820, 93.2560,
5.9600

■ 53.8330, 69.7340,
13.7500

■ 179.4790, 78.9980,
0.0380

■ 29.6010, 59.0040,
20.9880

■ 198.8790, 62.9520,
-6.5200

■ 20.9300, 41.7200,
14.8400

■ 218.3930, 46.5850,
-12.7670

■ 13.2700, 25.9030,
9.6390

■ 238.4940, 29.9430,
-19.5370

■ 0.0000, 0.0000,
0.0000

■ 248.7300, 17.6550,

-17.1050

251.9220, 8.6670,
-8.3970

104.7790, 87.0210,
3.3170

104.7790, 87.0210,
3.3170

97.9000, 93.9900,
3.6700

113.9890, 77.6220,
2.9500

123.1990, 68.2230,
2.5830

132.4090, 58.8240,
2.2160

141.6190, 49.4250,
1.8490

150.8290, 40.0260,
1.4820

■ 160.0390, 30.6270,
1.1150

■ 169.2490, 21.2280,
0.7480

■ 178.4590, 11.8290,
0.3810

■ 187.6690, 2.4300,
0.0140

Harmonies

Analogous

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



99.8860, 89.7190, 42.5430



104.7790, 87.0210, 3.3170



107.0720, 60.2500, -23.6380

Triad

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



104.7790, 87.0210, 3.3170



91.3630, -68.4910, -41.7950



107.7590, -58.0960, 28.6560

Complementary

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



104.7790, 87.0210, 3.3170



99.2210, -87.0210, -3.3170

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.



99.4810, -107.8840, 5.8440



104.7790, 87.0210, 3.3170



98.7900, -88.0260, -23.6580

Square

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



104.7790, 87.0210, 3.3170



81.9470, -47.4890, -58.9850



102.5010, -102.6090, -7.1610



114.4610, 19.7970, 54.2370

Rectangle

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



104.7790, 87.0210, 3.3170



103.9500, 36.6860, -37.1220



102.5010, -102.6090, -7.1610



92.2090, -103.9420, 11.4980

Sweetspot

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



104.7790, 87.0210, 3.3170



213.8930, 33.9740, 1.0300



79.3920, 68.9440, 72.1440



104.2490, 21.2280, 0.7480



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



104.7790, 87.0210, 3.3170



127.2700, 122.1870, 4.7710



156.4350, 62.8210, -42.7070



89.4520, 4.5390, 0.3390



81.2880, 78.2180, 3.1620



15.7260, 15.4510, 0.8190

Inverse Universe

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



99.2210, -87.0210, -3.3170



119.7300, -122.1870, -4.7710



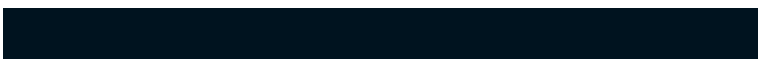
48.1520, -63.0960, 42.1840



89.5480, -4.5390, -0.3390



76.7120, -78.2180, -3.1620



14.6870, -15.1760, -0.2960

Previews

White Background



This preview shows how the YIQ color 104.7790, 87.0210, 3.3170 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 104.7790, 87.0210, 3.3170 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 104.7790, 87.0210, 3.3170

Background



This preview shows how black text looks on a background with the YIQ color 104.7790, 87.0210, 3.3170.



This preview shows how white text looks on a background with the YIQ color 104.7790, 87.0210,

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

104.7790, 87.0210, 3.3170

Protanopia

107.9260, 37.2340, -25.0220

Deuteranopia

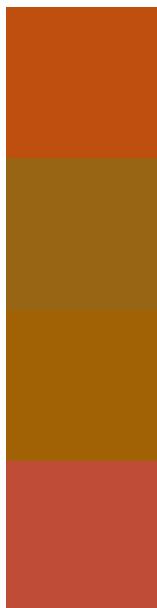
106.4520, 56.1240, -25.9560



Tritanopia

109.7380, 69.0440, 26.2600

Trichromacy



Original Color

104.7790, 87.0210, 3.3170

Protanomaly

106.7160, 55.8010, -14.5910

Deuteranomaly

105.6480, 67.6760, -15.0440

Tritanomaly

107.9910, 75.2810, 17.8490

Monochromacy



Original Color

104.7790, 87.0210, 3.3170

Achromatopsia

105.0000, 0.0000, 0.0000

Achromatomaly

105.2240, 31.5440, 1.0160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 104.7790, 87.0210, 3.3170 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(190, 79, 14)` looks like.

```
.text, #text, p{  
    color:rgb(190, 79, 14)  
}
```

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(190, 79, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 79, 14) }
```

Border

The CSS property to change the border of an element to YIQ 104.7790, 87.0210, 3.3170 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(190, 79, 14) }
```


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

```
.border{ border-color:rgb(190, 79, 14) }
```

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

Here you see how a box with a 4 pixel rgb(190, 79, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 79, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 79, 14);  
box-shadow:4px 4px 4px 4px rgb(190, 79,  
14) }
```

Background

The CSS property to change the background color of an element to YIQ 104.7790, 87.0210, 3.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 79, 14) }
```

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

```
.background{ background-color: rgb(190, 79,  
14) }
```

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