

Converting Colors

YIQ(109.8010, 72.7600, 13.9760)

Have a look what the booklet for
YIQ(109.8010, 72.7600, 13.9760)
contains.

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Color

**YIQ(109.8010, 72.7600,
13.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5135
RGB	188, 81, 53
RGB Percent	74%, 32%, 21%
CMY	0.2625, 0.6825, 0.7918
CMYK	0.00, 0.57, 0.72, 0.26
HSL	12°, 56%, 47%
HSV	12°, 72%, 74%
XYZ	24.3375, 16.8350, 5.3445
YIQ	109.8010, 72.7600, 13.9760

Conversions

Conversions Part 2

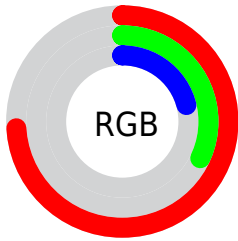
Format	Color
R _Y B	188, 88, 53
Decimal	12341557
CIE Lab	48.05, 41.42, 37.21
CIE LCh	48, 55.676, 41.932
Yxy	16.8350, 0.5232, 0.3619
Android (android.graphics.Color)	4290531637 (0xFFBC5135)
YUV	109.8010, -28.0029, 68.5805
Hunter-Lab	41.0305, 34.0750, 20.9984

Details

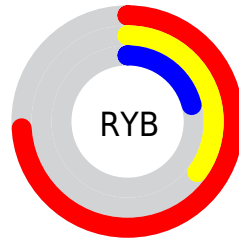
The YIQ color **109.8010, 72.7600, 13.9760** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **131.1990, -72.7600, -13.9760**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **164.0360, 79.4080, 14.6400**, and **55.6200, 66.0200, 14.9800** is the 20% darker color. If you saturate the color by 10%, you get **98.8300, 82.9840, 15.9120**, and if you desaturate by 10%, it is **120.7720, 62.5360, 12.0400**.

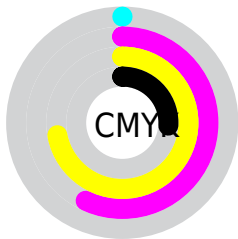
Distribution



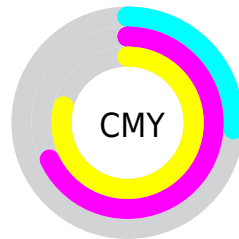
- Red (74%)
- Green (32%)
- Blue (21%)



- Red (74%)
- Yellow (35%)
- Blue (21%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (26%)



- Cyan (26%)
- Magenta (68%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.8010, 72.7600, 13.9760 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 109.8010, 72.7600, 13.9760 by changing the saturation by 10% instead.

■ 109.8010, 72.7600,
13.9760

■ 109.8010, 72.7600,
13.9760

■ 255.0000, -0.0000,
-0.0000

■ 83.0610, 69.0920,
14.3720

■ 164.3350, 80.0040,
14.8520

■ 55.6200, 66.0200,
14.9800

■ 184.5290, 67.5340,
9.5660

■ 29.6010, 59.0040,
20.9880

■ 203.9290, 51.4880,
3.0080

■ 20.9300, 41.7200,
14.8400

■ 223.4430, 35.1210,
-3.2390

■ 13.5690, 26.4990,
9.8510

■ 243.6580, 18.1580,
-9.6980

■ 0.0000, 0.0000,
0.0000

■ 252.8340, 6.0990,

-5.9090

■ 109.8010, 72.7600,
13.9760

■ 109.8010, 72.7600,
13.9760

■ 98.8300, 82.9840,
15.9120

■ 120.7720, 62.5360,
12.0400

■ 87.8590, 93.2080,
17.8480

■ 131.7430, 52.3120,
10.1040

■ 79.1050, 101.3230,
19.4590

■ 142.6000, 42.4090,
7.8570

■ 153.5710, 32.1850,
5.9210

■ 164.5420, 21.9610,
3.9850

■ 174.9260, 12.0120,
2.5720

■ 185.8970, 1.7880,
0.6360

■ 196.8680, -8.4360,
-1.3000

■ 207.7250,
-18.3390, -3.5470

Harmonies

Analogous

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



109.0020, 68.7210, 37.6250



109.8010, 72.7600, 13.9760



108.4950, 63.7330, -15.1710

Triad

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



109.8010, 72.7600, 13.9760



88.1200, -63.4930, -44.2690



102.4870, -72.4900, 14.1820

Complementary

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



109.8010, 72.7600, 13.9760



131.1990, -72.7600, -13.9760

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.



97.6910, -100.0880, -3.2880



109.8010, 72.7600, 13.9760



94.8800, -79.7720, -30.0760

Square

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



109.8010, 72.7600, 13.9760



99.0880, -7.7410, -41.4450



98.7220, -93.3460, -15.3460



117.5410, -1.5200, 38.5760

Rectangle

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



109.8010, 72.7600, 13.9760



106.3970, 48.7890, -30.6910



98.7220, -93.3460, -15.3460



93.5650, -99.4930, 2.4510

Sweetspot

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



109.8010, 72.7600, 13.9760



213.6030, 29.1590, 5.6950



105.6770, 45.7920, 62.2080



103.7910, 16.8260, 3.4340



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



109.8010, 72.7600, 13.9760



122.9170, 113.6560, 21.7200



149.1300, 54.3350, -21.0650



88.8650, 4.8140, 0.8620



66.6130, 85.0930, 16.2370



12.7910, 16.8260, 3.4340

Inverse Universe

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



131.1990, -72.7600, -13.9760



156.0830, -113.6560, -21.7200



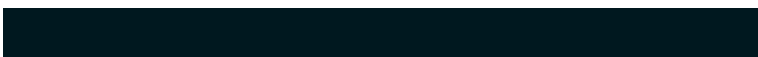
92.4570, -54.6100, 20.5420



90.1350, -4.8140, -0.8620



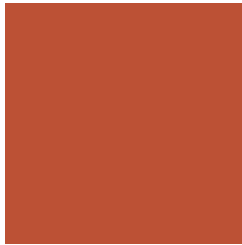
91.3870, -85.0930, -16.2370



17.6220, -16.5510, -2.9110

Previews

White Background



This preview shows how the YIQ color 109.8010, 72.7600, 13.9760 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 109.8010, 72.7600, 13.9760 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 109.8010, 72.7600, 13.9760

Background



This preview shows how black text looks on a background with the YIQ color 109.8010, 72.7600, 13.9760.



This preview shows how white text looks on a background with the YIQ color 109.8010, 72.7600,

13.9760.

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

109.8010, 72.7600, 13.9760

Protanopia

112.4750, 22.9270, -13.5290

Deuteranopia

112.0980, 40.1660, -12.0740



Tritanopia

111.0580, 65.1470, 25.2990

Trichromacy



Original Color

109.8010, 72.7600, 13.9760

Protanomaly

111.8520, 41.2190, -3.6210

Deuteranomaly

111.2400, 51.8100, -2.8300

Tritanomaly

110.3910, 68.4030, 21.3550

Monochromacy



Original Color

109.8010, 72.7600, 13.9760

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.5210, 26.4540, 5.1580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.8010, 72.7600, 13.9760 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(188, 81, 53)` looks like.

```
.text, #text, p{  
    color:rgb(188, 81, 53)  
}
```

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(188, 81, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 81, 53) }
```

Border

The CSS property to change the border of an element to YIQ 109.8010, 72.7600, 13.9760 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(188, 81, 53) }
```


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

```
.border{ border-color:rgb(188, 81, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 81, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 81, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 81, 53);  
box-shadow:4px 4px 4px 4px rgb(188, 81,  
53) }
```

Background

The CSS property to change the background color of an element to YIQ 109.8010, 72.7600, 13.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 81, 53) }
```

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

```
.background{ background-color: rgb(188, 81,  
53) }
```

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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