

Converting Colors

YIQ(115.8810, 86.9740, 9.6780)

Have a look what the booklet for
YIQ(115.8810, 86.9740, 9.6780)
contains.

YIQ(115.8810, 86.9740, 9.6780)	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(115.8810, 86.9740,
9.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	CD5624
RGB	205, 86, 36
RGB Percent	80%, 34%, 14%
CMY	0.1958, 0.6629, 0.8584
CMYK	0.00, 0.58, 0.82, 0.20
HSL	18°, 70%, 47%
HSV	18°, 82%, 80%
XYZ	28.8383, 19.7638, 3.9718
YIQ	115.8810, 86.9740, 9.6780

Conversions

Conversions Part 2

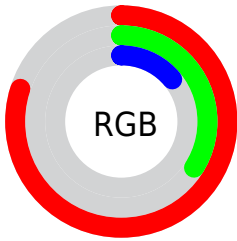
Format	Color
R_{YB}	205, 107, 36
Decimal	13456932
CIE _{Lab}	51.57, 44.73, 50.17
CIE _{LCh}	52, 67.217, 48.278
Yxy	19.7638, 0.5485, 0.3759
Android (android.graphics.Color)	4291647012 (0xFFCD5624)
YUV	115.8810, -39.3813, 78.1574
Hunter-Lab	44.4565, 37.9914, 25.8226

Details

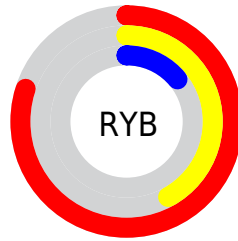
The YIQ color **115.8810, 86.9740, 9.6780** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **125.1190, -86.9740, -9.6780**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.5280, 86.4700, 7.7980**, and **61.5410, 76.4280, 13.5800** is the 20% darker color. If you saturate the color by 10%, you get **105.3830, 97.2440, 10.7800**, and if you desaturate by 10%, it is **126.4930, 76.3830, 8.8870**.

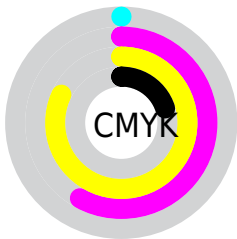
Distribution



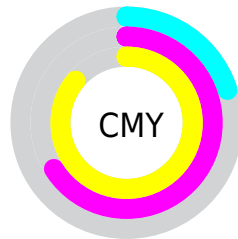
- Red (80%)
- Green (34%)
- Blue (14%)



- Red (80%)
- Yellow (42%)
- Blue (14%)



- Cyan (0%)
- Magenta (58%)
- Yellow (82%)
- Black (20%)



- Cyan (20%)
- Magenta (66%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 115.8810, 86.9740, 9.6780 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 115.8810, 86.9740, 9.6780 by changing the saturation by 10% instead.

115.8810, 86.9740,
9.6780

115.8810, 86.9740,
9.6780

255.0000, -0.0000,
-0.0000

88.2720, 84.3150,
8.3070

167.5280, 86.4700,
7.7980

61.5410, 76.4280,
13.5800

186.3410, 70.6990,
1.7630

33.7870, 67.3480,
23.9560

205.7410, 54.6530,
-4.7950

24.8170, 49.4680,
17.5960

225.8420, 38.0110,
-11.5650

17.1570, 33.6510,
12.3950

245.9430, 21.3690,
-18.3350

5.6810, 11.3240,
4.0280

250.8960, 11.5560,

0.0000, 0.0000,

-11.1960

0.0000

254.2020, 2.2470,
-2.1770

115.8810, 86.9740,
9.6780

115.8810, 86.9740,
9.6780

105.3830, 97.2440,
10.7800

126.4930, 76.3830,
8.8870

97.1020, 105.4050,
11.5570

137.5780, 65.8380,
7.2620

148.1900, 55.2470,
6.4710

159.2750, 44.7020,
4.8460

169.8870, 34.1110,
4.0550

■ 180.9720, 23.5660,
2.4300

■ 191.5840, 12.9750,
1.6390

■ 202.6690, 2.4300,
0.0140

■ 213.2810, -8.1610,
-0.7770

Harmonies

Analogous

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



112.2710, 87.1970, 44.1970



115.8810, 86.9740, 9.6780



115.6770, 68.7320, -23.1720

Triad

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



115.8810, 86.9740, 9.6780



97.4610, -71.8830, -46.4030



114.0780, -69.4200, 24.6280

Complementary

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



115.8810, 86.9740, 9.6780



125.1190, -86.9740, -9.6780

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.



106.7360, -113.1560, 2.2680



115.8810, 86.9740, 9.6780



105.3610, -91.3720, -29.1000

Square

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



115.8810, 86.9740, 9.6780



97.7380, -30.6630, -55.5510



109.4140, -106.9180, -11.6700



125.8620, 11.1780, 50.7460

Rectangle

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



115.8810, 86.9740, 9.6780



114.0280, 45.2140, -37.4900



109.4140, -106.9180, -11.6700



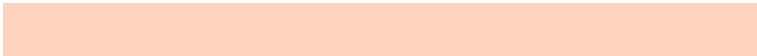
100.5070, -110.7730, 8.6430

Sweetspot

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



115.8810, 86.9740, 9.6780



221.2890, 32.9190, 3.6310



100.3250, 61.8830, 73.4590



107.7050, 19.9440, 1.9920



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.



115.8810, 86.9740, 9.6780



121.7860, 129.8420, 14.7220



164.0150, 64.4240, -33.2080



96.7510, 5.1350, 0.5510



78.3970, 85.4610, 9.5650



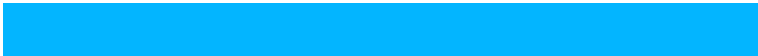
17.8190, 19.6230, 2.3030

Inverse Universe

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



125.1190, -86.9740, -9.6780



136.2140, -129.8420, -14.7220



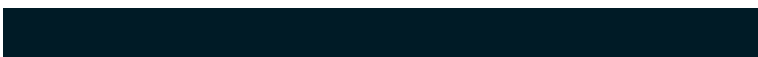
76.9850, -64.4240, 33.2080



97.2490, -5.1350, -0.5510



87.6030, -85.4610, -9.5650



20.1810, -19.6230, -2.3030

Previews

White Background



This preview shows how the YIQ color 115.8810, 86.9740, 9.6780 looks on a white 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

Black Background



This preview shows how the YIQ color 115.8810, 86.9740, 9.6780 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 × Fail

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

YIQ 115.8810, 86.9740, 9.6780

Background



This preview shows how black text looks on a background with the YIQ color 115.8810, 86.9740, 9.6780.



This preview shows how white text looks on a background with the YIQ color 115.8810, 86.9740,

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

115.8810, 86.9740, 9.6780

Protanopia

119.2940, 33.3820, -21.2900

Deuteranopia

118.0590, 53.0970, -20.6550



Tritanopia

119.2440, 73.4910, 28.2670

Trichromacy



Original Color

115.8810, 86.9740, 9.6780

Protanomaly

117.7960, 52.8200, -10.1240

Deuteranomaly

117.4400, 65.5660, -9.8420

Tritanomaly

118.0670, 78.1230, 21.4110

Monochromacy



Original Color

115.8810, 86.9740, 9.6780

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

115.8050, 31.4060, 3.5180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 115.8810, 86.9740, 9.6780 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(205, 86, 36)` looks like.

```
.text, #text, p{  
    color:rgb(205, 86, 36)  
}
```

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(205, 86, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 86, 36) }
```

Border

The CSS property to change the border of an element to YIQ 115.8810, 86.9740, 9.6780 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(205, 86, 36) }
```


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

```
.border{ border-color:rgb(205, 86, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 86, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 86, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 86, 36);  
box-shadow:4px 4px 4px 4px rgb(205, 86,  
36) }
```

Background

The CSS property to change the background color of an element to YIQ 115.8810, 86.9740, 9.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 86, 36) }
```

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

```
.background{ background-color: rgb(205, 86,  
36) }
```

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