

Converting Colors

YIQ(118.4040, 75.5560, 18.3720)

Have a look what the booklet for
YIQ(118.4040, 75.5560, 18.3720)
contains.

YIQ(118.4040, 75.5560, 18.3720)	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(118.4040, 75.5560,
18.3720)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5642
RGB	202, 86, 66
RGB Percent	79%, 34%, 26%
CMY	0.2076, 0.6629, 0.7409
CMYK	0.00, 0.57, 0.67, 0.21
HSL	9°, 56%, 53%
HSV	9°, 67%, 79%
XYZ	28.6849, 19.6080, 7.4396
YIQ	118.4040, 75.5560, 18.3720

Conversions

Conversions Part 2

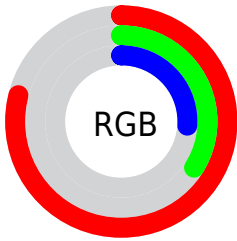
Format	Color
R_{YB}	202, 89, 66
Decimal	13260354
CIE _{Lab}	51.39, 44.90, 34.43
CIE _{LCh}	51, 56.584, 37.477
Yxy	19.6080, 0.5147, 0.3518
Android (android.graphics.Color)	4291450434 (0xFFCA5642)
YUV	118.4040, -25.8352, 73.3137
Hunter-Lab	44.2809, 38.1397, 21.0355

Details

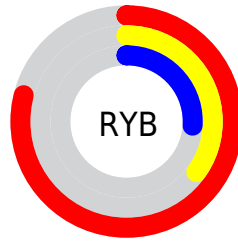
The YIQ color **118.4040, 75.5560, 18.3720** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **149.5960, -75.5560, -18.3720**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.9480, 76.8400, 17.1280**, and **63.7500, 68.7700, 20.2100** is the 20% darker color. If you saturate the color by 10%, you get **106.1450, 86.6510, 21.0430**, and if you desaturate by 10%, it is **130.6630, 64.4610, 15.7010**.

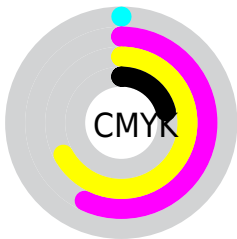
Distribution



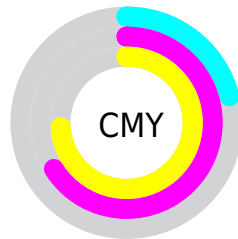
- Red (79%)
- Green (34%)
- Blue (26%)



- Red (79%)
- Yellow (35%)
- Blue (26%)



- Cyan (0%)
- Magenta (57%)
- Yellow (67%)
- Black (21%)



- Cyan (21%)
- Magenta (66%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 118.4040, 75.5560, 18.3720 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 118.4040, 75.5560, 18.3720 by changing the saturation by 10% instead.

■ 118.4040, 75.5560,
18.3720

■ 118.4040, 75.5560,
18.3720

■ 255.0000, -0.0000,
-0.0000

■ 91.5500, 72.2090,
18.4570

■ 170.9480, 76.8400,
17.1280

■ 63.7500, 68.7700,
20.2100

■ 190.2340, 61.1150,
10.2590

■ 33.4880, 66.7520,
23.7440

■ 209.7480, 44.7480,
4.0120

■ 24.8170, 49.4680,
17.5960

■ 229.2620, 28.3810,
-2.2350

■ 16.8580, 33.0550,
12.1830

■ 249.4770, 11.4180,
-8.6940

■ 5.3820, 10.7280,
3.8160

■ 254.5440, 1.2840,

■ 0.0000, 0.0000,

-1.2440

0.0000

■ 118.4040, 75.5560,
18.3720

■ 118.4040, 75.5560,
18.3720

■ 106.1450, 86.6510,
21.0430

■ 130.6630, 64.4610,
15.7010

■ 93.2990, 98.0210,
24.2370

■ 142.9220, 53.3660,
13.0300

■ 80.9260, 109.4370,
26.5970

■ 155.8820, 41.6750,
10.1470

■ 78.0080, 112.1420,
27.1340

■ 168.1410, 30.5800,
7.4760

■ 180.4000, 19.4850,
4.8050

■ 192.6590, 8.3900,
2.1340

■ 205.6190, -3.3010,
-0.7490

■ 217.8780,
-14.3960, -3.4200

■ 230.1370,
-25.4910, -6.0910

Harmonies

Analogous

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



118.6970, 68.2620, 40.4380



118.4040, 75.5560, 18.3720



117.5110, 66.8040, -10.2520

Triad

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



118.4040, 75.5560, 18.3720



93.4030, -65.9680, -48.9760



100.1460, -99.6310, 4.9530

Complementary

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



118.4040, 75.5560, 18.3720



149.5960, -75.5560, -18.3720

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.



104.5870, -105.7270, -5.7190



118.4040, 75.5560, 18.3720



100.3910, -82.8890, -34.1610

Square

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



118.4040, 75.5560, 18.3720



109.2800, 0.4660, -41.5020



105.0480, -97.3800, -19.3320



125.4090, -9.9560, 37.2760

Rectangle

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



118.4040, 75.5560, 18.3720



115.1590, 55.3910, -29.1930



105.0480, -97.3800, -19.3320



100.6890, -105.7740, 0.6420

Sweetspot

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



118.4040, 75.5560, 18.3720



223.3580, 28.4710, 7.1510



120.1160, 43.1780, 65.5300



108.6170, 17.3760, 4.4800



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.



118.4040, 75.5560, 18.3720



128.0900, 114.8470, 27.6710



157.1460, 57.4060, -16.1460



95.5770, 5.6850, 1.5970



63.7220, 92.3360, 22.6400



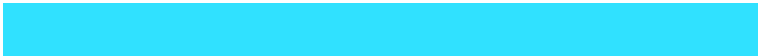
14.8840, 20.9980, 4.9180

Inverse Universe

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



149.5960, -75.5560, -18.3720



175.4970, -115.1220, -28.1940



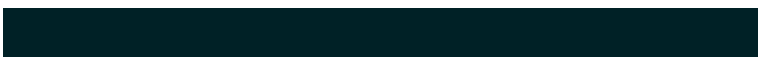
110.8540, -57.4060, 16.1460



98.4230, -5.6850, -1.5970



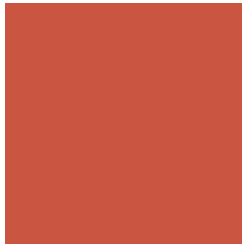
102.2780, -92.3360, -22.6400



23.7030, -21.2730, -5.4410

Previews

White Background



This preview shows how the YIQ color 118.4040, 75.5560, 18.3720 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 118.4040, 75.5560, 18.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

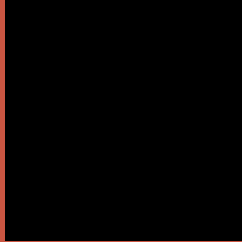
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 118.4040, 75.5560, 18.3720

Background



This preview shows how black text looks on a background with the YIQ color 118.4040, 75.5560, 18.3720.



This preview shows how white text looks on a background with the YIQ color 118.4040, 75.5560,

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

118.4040, 75.5560, 18.3720

Protanopia

121.2730, 20.6800, -11.3520

Deuteranopia

120.9670, 39.1570, -10.3070



Tritanopia

119.4500, 69.9150, 26.9950

Trichromacy



Original Color

118.4040, 75.5560, 18.3720

Protanomaly

120.5470, 40.7600, -0.8080

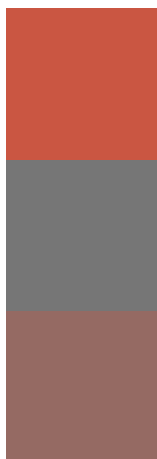
Deuteranomaly

120.1200, 52.2680, -0.1160

Tritanomaly

119.1250, 72.2080, 23.9840

Monochromacy



Original Color

118.4040, 75.5560, 18.3720

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.0590, 27.8750, 6.9390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 118.4040, 75.5560, 18.3720 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(202, 86, 66)` looks like.

```
.text, #text, p{  
    color:rgb(202, 86, 66)  
}
```

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(202, 86, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 86, 66) }
```

Border

The CSS property to change the border of an element to YIQ 118.4040, 75.5560, 18.3720 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(202, 86, 66) }
```


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

```
.border{ border-color:rgb(202, 86, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 86, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 86, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 86, 66);  
box-shadow:4px 4px 4px 4px rgb(202, 86,  
66) }
```

Background

The CSS property to change the background color of an element to YIQ 118.4040, 75.5560, 18.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 86, 66) }
```

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

```
.background{ background-color: rgb(202, 86,  
66) }
```

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