

Converting Colors

YIQ(86.4040, 75.5560, 18.3720)

Have a look what the booklet for
YIQ(86.4040, 75.5560, 18.3720)
contains.

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Color

**YIQ(86.4040, 75.5560,
18.3720)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3622
RGB	170, 54, 34
RGB Percent	67%, 21%, 13%
CMY	0.3331, 0.7884, 0.8663
CMYK	0.00, 0.68, 0.80, 0.33
HSL	9°, 67%, 40%
HSV	9°, 80%, 67%
XYZ	18.1989, 11.3033, 2.7420
YIQ	86.4040, 75.5560, 18.3720

Conversions

Conversions Part 2

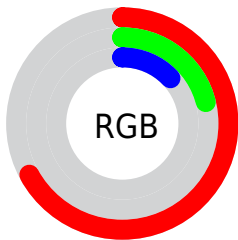
Format	Color
RYB	170, 57, 34
Decimal	11154978
CIELab	40.09, 46.43, 38.08
CIElCh	40, 60.050, 39.354
Yxy	11.3033, 0.5644, 0.3506
Android (android.graphics.Color)	4289345058 (0xFFAA3622)
YUV	86.4040, -25.8352, 73.3137
Hunter-Lab	33.6204, 37.7874, 18.6987

Details

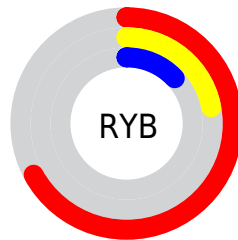
The YIQ color **86.4040, 75.5560, 18.3720** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **117.5960, -75.5560, -18.3720**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.2970, 83.1670, 18.1030**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **75.6610, 85.1380, 20.9300**, and if you desaturate by 10%, it is **96.5600, 66.2490, 16.3370**.

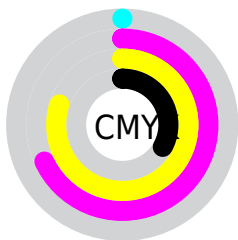
Distribution



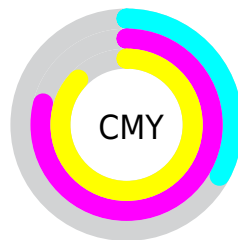
- Red (67%)
- Green (21%)
- Blue (13%)



- Red (67%)
- Yellow (22%)
- Blue (13%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (79%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 86.4040, 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 86.4040, 75.5560, 18.3720 by changing the saturation by 10% instead.


 86.4040, 75.5560,
18.3720


 86.4040, 75.5560,
18.3720


255.0000, -0.0000,
-0.0000


 57.9030, 72.7130,
20.3370


 141.2970, 83.1670,
18.1030


 32.8900, 65.5600,
23.3200


 166.8730, 81.4250,
16.6330


 24.2190, 48.2760,
17.1720


 185.5720, 65.9750,
10.2870

 16.6730, 32.1380,
12.2820

 205.0860, 49.6080,
4.0400

 2.9900, 5.9600,
2.1200

 225.1870, 32.9660,
-2.7300

 0.0000, 0.0000,
0.0000

 245.2880, 16.3240,

-9.5000

■ 253.2900, 4.8150,
-4.6650

■ 86.4040, 75.5560,
18.3720

■ 86.4040, 75.5560,
18.3720

■ 75.6610, 85.1380,
20.9300

■ 96.5600, 66.2490,
16.3370

■ 65.5050, 94.4450,
22.9650

■ 107.3030, 56.6670,
13.7790

■ 118.0460, 47.0850,
11.2210

■ 128.2020, 37.7780,
9.1860

■ 138.9450, 28.1960,
6.6280

■ 149.1010, 18.8890,
4.5930

■ 159.8440, 9.3070,
2.0350

■ 170.0000, -0.0000,
0.0000

■ 180.7430, -9.5820,
-2.5580

Harmonies

Analogous

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



81.8380, 72.4790, 46.6150



86.4040, 75.5560, 18.3720



88.8310, 62.9070, -11.2130

Triad

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



86.4040, 75.5560, 18.3720



73.5300, -49.9680, -41.5840



78.2400, -88.0320, 9.5040

Complementary

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



86.4040, 75.5560, 18.3720



117.5960, -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.



85.3010, -90.0020, 1.1500



86.4040, 75.5560, 18.3720



80.5180, -66.8890, -26.7690

Square

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



86.4040, 75.5560, 18.3720



76.8510, -2.8800, -46.9440



85.2890, -81.7010, -11.6290



96.4310, -7.0220, 39.1700

Rectangle

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



86.4040, 75.5560, 18.3720



88.6880, 43.8360, -23.5240



85.2890, -81.7010, -11.6290



81.4030, -90.0490, 7.5110

Sweetspot

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



86.4040, 75.5560, 18.3720



188.9560, 29.6630, 7.5750



88.1160, 43.1780, 65.5300



91.9160, 17.9720, 4.6920



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



86.4040, 75.5560, 18.3720



90.8840, 118.4230, 28.9430



125.1460, 57.4060, -16.1460



78.9790, 4.4930, 1.1730



57.1660, 82.1580, 19.8700



7.7410, 11.0950, 2.6710

Inverse Universe

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



117.5960, -75.5560, -18.3720



140.1160, -118.4230, -28.9430



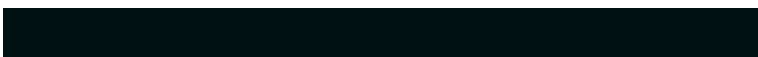
78.8540, -57.4060, 16.1460



81.0210, -4.4930, -1.1730



90.8340, -82.1580, -19.8700



12.2590, -11.0950, -2.6710

Previews

White Background



This preview shows how the YIQ color 86.4040, 75.5560, 18.3720 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 86.4040, 75.5560, 18.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

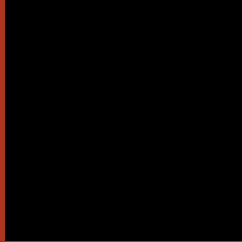
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.4040, 75.5560, 18.3720

Background



This preview shows how black text looks on a background with the YIQ color 86.4040, 75.5560, 18.3720.



This preview shows how white text looks on a background with the YIQ color 86.4040, 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

86.4040, 75.5560, 18.3720

Protanopia

93.2900, 22.0100, -13.4300

Deuteranopia

92.0330, 38.7910, -14.6890



Tritanopia

87.8090, 70.2820, 25.8500

Trichromacy



Original Color

86.4040, 75.5560, 18.3720

Protanomaly

90.9060, 41.1270, -1.9530

Deuteranomaly

90.2400, 51.8100, -2.8300

Tritanomaly

87.5980, 72.2540, 23.1500

Monochromacy



Original Color

86.4040, 75.5560, 18.3720

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.0590, 27.8750, 6.9390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.4040, 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(170, 54, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 54, 34)  
}
```

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(170, 54, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 54, 34) }
```

Border

The CSS property to change the border of an element to YIQ 86.4040, 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(170, 54, 34) }
```


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

```
.border{ border-color:rgb(170, 54, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 54, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 54, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 54, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 54,  
34) }
```

Background

The CSS property to change the background color of an element to YIQ 86.4040, 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(170, 54, 34) }
```

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

```
.background{ background-color: rgb(170, 54,  
34) }
```

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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