

Converting Colors

YIQ(87.4720, 80.8760, 10.0600)

Have a look what the booklet for
YIQ(87.4720, 80.8760, 10.0600)
contains.

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Color

**YIQ(87.4720, 80.8760,
10.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3B0F
RGB	171, 59, 15
RGB Percent	67%, 23%, 6%
CMY	0.3292, 0.7688, 0.9408
CMYK	0.00, 0.66, 0.91, 0.33
HSL	17°, 84%, 37%
HSV	17°, 91%, 67%
XYZ	18.4563, 11.8226, 1.7646
YIQ	87.4720, 80.8760, 10.0600

Conversions

Conversions Part 2

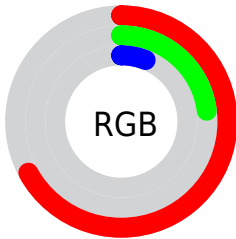
Format	Color
R_{YB}	171, 76, 15
Decimal	11221775
CIE _{Lab}	40.93, 44.14, 47.55
CIE _{LCh}	41, 64.876, 47.130
Yxy	11.8226, 0.5760, 0.3690
Android (android.graphics.Color)	4289411855 (0xFFAB3B0F)
YUV	87.4720, -35.7287, 73.2541
Hunter-Lab	34.3840, 35.6413, 21.0261

Details

The YIQ color **87.4720, 80.8760, 10.0600** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **98.5280, -80.8760, -10.0600**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.1200, 87.7990, 11.2470**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **79.3050, 88.7160, 11.1480**, and if you desaturate by 10%, it is **96.4540, 72.1190, 9.0710**.

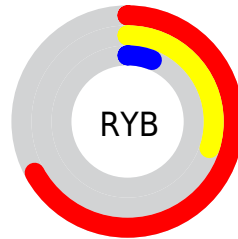
Distribution



Red (67%)

Green (23%)

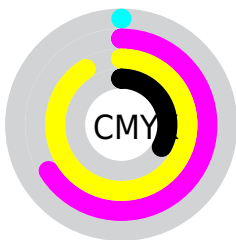
Blue (6%)



Red (67%)

Yellow (30%)

Blue (6%)

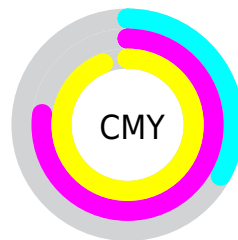


Cyan (0%)

Magenta (66%)

Yellow (91%)

Black (33%)



Cyan (33%)

Magenta (77%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.4720, 80.8760, 10.0600 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 87.4720, 80.8760, 10.0600 by changing the saturation by 10% instead.

87.4720, 80.8760,
10.0600

87.4720, 80.8760,
10.0600

254.6580, 0.9630,
-0.9330

60.9430, 75.2360,
13.1560

142.1200, 87.7990,
11.2470

33.1890, 66.1560,
23.5320

167.3970, 85.4610,
9.5650

24.2190, 48.2760,
17.1720

186.0960, 70.0110,
3.2190

16.6730, 32.1380,
12.2820

205.4960, 53.9650,
-3.3390

3.8870, 7.7480,
2.7560

225.5970, 37.3230,
-10.1090

0.0000, 0.0000,
0.0000

245.8120, 20.3600,

-16.5680

251.3520, 10.2720,
-9.9520

87.4720, 80.8760,
10.0600

87.4720, 80.8760,
10.0600

79.3050, 88.7160,
11.1480

96.4540, 72.1190,
9.0710

106.0230, 63.0870,
7.5590

115.0050, 54.3300,
6.5700

124.1010, 45.2520,
5.8920

133.0830, 36.4950,
4.9030

■ 142.6520, 27.4630,
3.3910

■ 151.6340, 18.7060,
2.4020

■ 160.6160, 9.9490,
1.4130

■ 170.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



79.3400, 82.7490, 47.7170



87.4720, 80.8760, 10.0600



91.1460, 57.4060, -16.1460

Triad

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



87.4720, 80.8760, 10.0600



77.3600, -55.2410, -39.6330



77.3910, -89.7750, 13.5610

Complementary

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



87.4720, 80.8760, 10.0600



98.5280, -80.8760, -10.0600

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.



87.4840, -94.7710, 4.9810



87.4720, 80.8760, 10.0600



84.3310, -73.4920, -22.7400

Square

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



87.4720, 80.8760, 10.0600



67.0150, -33.0010, -57.2330



88.5150, -88.0290, -7.0770



97.9000, 8.0150, 47.4950

Rectangle

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



87.4720, 80.8760, 10.0600



89.2200, 36.2260, -28.7820



88.5150, -88.0290, -7.0770



81.2550, -92.3880, 11.3560

Sweetspot

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



87.4720, 80.8760, 10.0600



189.9190, 31.0850, 3.8290



74.6400, 56.3820, 68.5260



92.6340, 18.7060, 2.4020



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.



87.4720, 80.8760, 10.0600



102.7720, 115.2620, 14.6380



132.0840, 59.9760, -29.6880



81.8650, 4.8140, 0.8620



69.5040, 77.8500, 9.8340



10.3990, 12.0580, 1.7380

Inverse Universe

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



98.5280, -80.8760, -10.0600



118.6410, -114.9870, -14.1150



53.9160, -59.9760, 29.6880



82.5480, -4.5390, -0.3390



80.4960, -77.8500, -9.8340



12.0140, -11.7830, -1.2150

Previews

White Background



This preview shows how the YIQ color 87.4720, 80.8760, 10.0600 looks on a white background.

Color Contrast Check

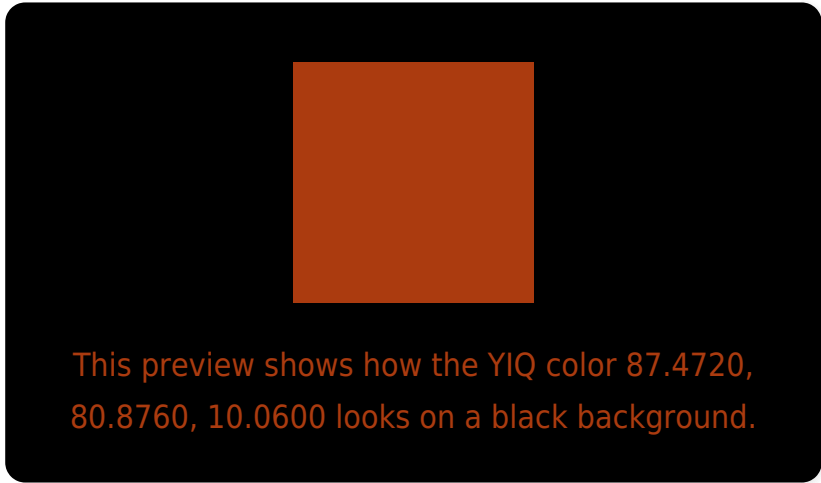
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

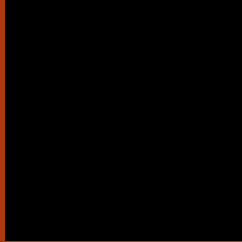
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.4720, 80.8760, 10.0600

Background



This preview shows how black text looks on a background with the YIQ color 87.4720, 80.8760, 10.0600.



This preview shows how white text looks on a background with the YIQ color 87.4720, 80.8760,

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

87.4720, 80.8760, 10.0600

Protanopia

92.9670, 29.9890, -20.3710

Deuteranopia

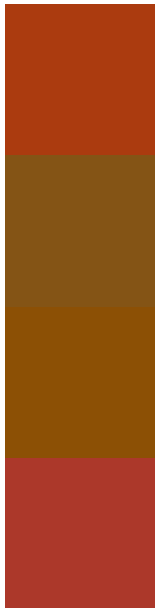
90.7810, 48.0080, -22.0400



Tritanopia

90.3250, 68.7690, 25.7370

Trichromacy



Original Color

87.4720, 80.8760, 10.0600

Protanomaly

91.1700, 48.8310, -9.4170

Deuteranomaly

89.3900, 59.8350, -10.6050

Tritanomaly

89.0880, 73.6300, 20.2380

Monochromacy



Original Color

87.4720, 80.8760, 10.0600

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.4350, 29.5720, 3.7160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.4720, 80.8760, 10.0600 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(171, 59, 15)` looks like.

```
.text, #text, p{  
    color:rgb(171, 59, 15)  
}
```

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(171, 59, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 59, 15) }
```

Border

The CSS property to change the border of an element to YIQ 87.4720, 80.8760, 10.0600 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(171, 59, 15) }
```


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

```
.border{ border-color:rgb(171, 59, 15) }
```

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

Here you see how a box with a 4 pixel rgb(171, 59, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 59, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 59, 15);  
box-shadow:4px 4px 4px 4px rgb(171, 59,  
15) }
```

Background

The CSS property to change the background color of an element to YIQ 87.4720, 80.8760, 10.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 59, 15) }
```

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

```
.background{ background-color: rgb(171, 59,  
15) }
```

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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