

# Converting Colors

YIQ(85.4290, 91.6030, 19.4030)

Have a look what the booklet for  
YIQ(85.4290, 91.6030, 19.4030)  
contains.

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# Color

**YIQ(85.4290, 91.6030,  
19.4030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B93011
RGB	185, 48, 17
RGB Percent	73%, 19%, 7%
CMY	0.2742, 0.8120, 0.9329
CMYK	0.00, 0.74, 0.91, 0.27
HSL	11°, 83%, 40%
HSV	11°, 91%, 73%
XYZ	21.1830, 12.4740, 1.8256
YIQ	85.4290, 91.6030, 19.4030

# Conversions

## Conversions Part 2

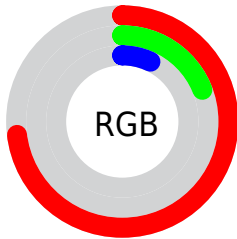
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 55, 17
Decimal	12136465
CIE <sub>Lab</sub>	41.96, 53.32, 48.74
CIE <sub>LCh</sub>	42, 72.241, 42.431
Yxy	12.4740, 0.5970, 0.3516
Android (android.graphics.Color)	4290326545 (0xFFB93011)
YUV	85.4290, -33.7355, 87.3238
Hunter-Lab	35.3185, 45.2516, 21.6583

# Details

The YIQ color **85.4290, 91.6030, 19.4030** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **116.5710, -91.6030, -19.4030**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.9090, 98.9390, 18.6110**, and **36.7770, 73.3080, 26.0760** is the 20% darker color. If you saturate the color by 10%, you get **75.2730, 100.9100, 21.4380**, and if you desaturate by 10%, it is **96.4000, 81.3790, 17.4670**.

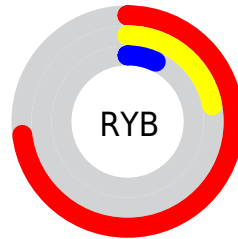
# Distribution



Red (73%)

Green (19%)

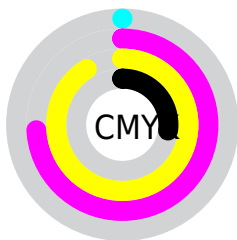
Blue (7%)



Red (73%)

Yellow (22%)

Blue (7%)

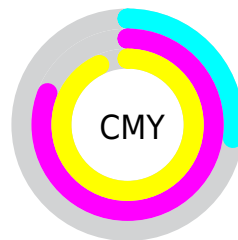


Cyan (0%)

Magenta (74%)

Yellow (91%)

Black (27%)



Cyan (27%)

Magenta (81%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.4290, 91.6030, 19.4030 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 85.4290, 91.6030, 19.4030 by changing the saturation by 10% instead.





 85.4290, 91.6030,  
19.4030


 85.4290, 91.6030,  
19.4030


254.7720, 0.6420,  
-0.6220


 52.5030, 88.7590,  
26.8950


 142.9090, 98.9390,  
18.6110


 36.7770, 73.3080,  
26.0760


 163.4020, 87.0650,  
13.5370


 27.5080, 54.8320,  
19.5040


 182.6880, 71.3400,  
6.6680

 19.3640, 37.5020,  
14.1900

 202.0880, 55.2940,  
0.1100

 9.6820, 18.7510,  
7.0950

 222.1890, 38.6520,  
-6.6600

 0.0000, 0.0000,  
0.0000

 242.4040, 21.6890,

-13.1190

251.4660, 9.9510,  
-9.6410

85.4290, 91.6030,  
19.4030

85.4290, 91.6030,  
19.4030

75.2730, 100.9100,  
21.4380

96.4000, 81.3790,  
17.4670

107.2570, 71.4760,  
15.2200

118.2280, 61.2520,  
13.2840

129.0850, 51.3490,  
11.0370

140.0560, 41.1250,  
9.1010

■ 151.5000, 30.9470,  
6.3310

■ 162.4710, 20.7230,  
4.3950

■ 173.3280, 10.8200,  
2.1480

■ 184.2990, 0.5960,  
0.2120

# Harmonies

## Analogous

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



68.5780, 94.4830, 66.3470



85.4290, 91.6030, 19.4030



93.2720, 65.9790, -11.8210

# Triad

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



85.4290, 91.6030, 19.4030



78.4540, -52.8100, -45.1460



82.8510, -96.8820, 15.7100

# Complementary

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



85.4290, 91.6030, 19.4030



116.5710, -91.6030, -19.4030

# 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.



92.4880, -100.5940, 5.8860



85.4290, 91.6030, 19.4030



86.8100, -73.5830, -26.5990

# Square

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



85.4290, 91.6030, 19.4030



69.8860, -28.3240, -59.3960



92.6070, -91.2840, -8.6600



99.9190, -2.1640, 50.2520



# Rectangle

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



85.4290, 91.6030, 19.4030



92.5090, 42.7820, -26.4500



92.6070, -91.2840, -8.6600



87.3020, -99.7700, 12.9820

# Sweetspot

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



85.4290, 91.6030, 19.4030



201.4790, 35.4400, 7.5040



82.8500, 56.1510, 78.2230



97.3570, 21.0440, 4.0840



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



85.4290, 91.6030, 19.4030



97.5880, 130.9400, 27.8680



134.7370, 68.5030, -24.5290



86.2780, 5.0890, 1.3850



63.6670, 85.0010, 17.9050



11.3070, 15.3130, 3.3210



# Inverse Universe

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



116.5710, -91.6030, -19.4030



142.4120, -130.9400, -27.8680



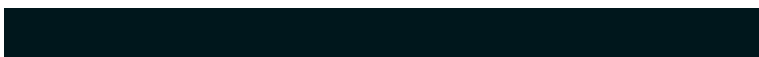
67.2630, -68.5030, 24.5290



88.1350, -4.8140, -0.8620



92.3330, -85.0010, -17.9050



16.6930, -15.3130, -3.3210



# Previews

## White Background



This preview shows how the YIQ color 85.4290, 91.6030, 19.4030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

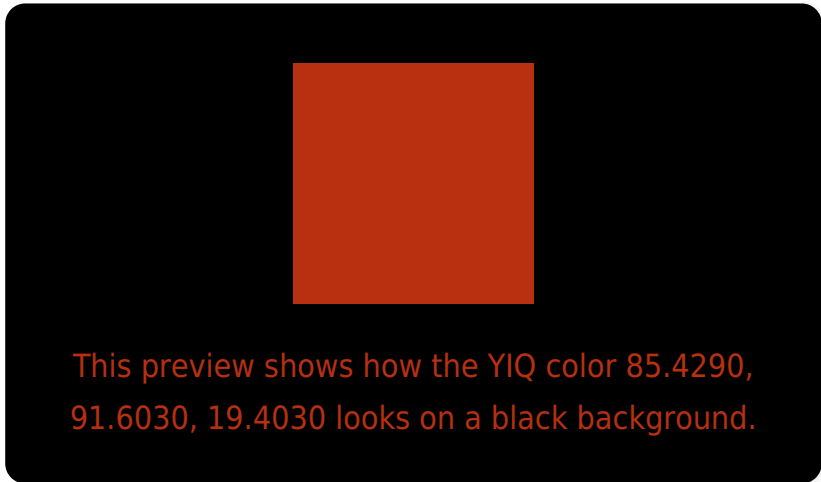
Any Text WCAG AA ✓ Pass

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 85.4290, 91.6030, 19.4030**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.4290, 91.6030, 19.4030.



This preview shows how white text looks on a background with the YIQ color 85.4290, 91.6030,



# 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

85.4290, 91.6030, 19.4030

### Protanopia

95.6080, 29.6220, -19.2260

### Deuteranopia

93.4390, 48.9710, -22.9730



## Tritanopia

87.2730, 83.7150, 30.2030

# Trichromacy



## Original Color

85.4290, 91.6030, 19.4030

## Protanomaly

91.9580, 52.5440, -5.1200

## Deuteranomaly

90.4230, 64.2360, -7.7640

## Tritanomaly

86.6060, 86.9710, 26.2590

# Monochromacy



## Original Color

85.4290, 91.6030, 19.4030

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.2830, 33.0560, 6.6560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.4290, 91.6030, 19.4030 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(185, 48, 17)` looks like.

```
.text, #text, p{  
    color:rgb(185, 48, 17)  
}
```

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(185, 48, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 48, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 85.4290, 91.6030, 19.4030 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(185, 48, 17) }
```



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

```
.border{ border-color:rgb(185, 48, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 48, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 48, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 48, 17);  
box-shadow:4px 4px 4px 4px rgb(185, 48,  
17) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.4290, 91.6030, 19.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 48, 17) }
```

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

```
.background{ background-color: rgb(185, 48,  
17) }
```

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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