

# Converting Colors

YIQ(85.6590, 88.6200, 34.9240)

Have a look what the booklet for  
YIQ(85.6590, 88.6200, 34.9240)  
contains.

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# Color

**YIQ(85.6590, 88.6200,  
34.9240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0272F
RGB	192, 39, 47
RGB Percent	75%, 15%, 18%
CMY	0.2467, 0.8473, 0.8153
CMYK	0.00, 0.80, 0.75, 0.25
HSL	357°, 66%, 45%
HSV	357°, 80%, 75%
XYZ	23.0003, 12.8715, 3.9709
YIQ	85.6590, 88.6200, 34.9240

# Conversions

## Conversions Part 2

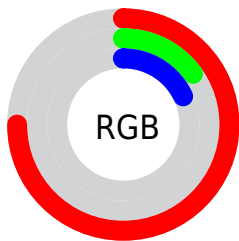
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 39, 47
Decimal	12592943
CIE <sub>Lab</sub>	42.57, 59.13, 34.66
CIE <sub>LCh</sub>	43, 68.535, 30.377
Yxy	12.8715, 0.5773, 0.3231
Android (android.graphics.Color)	4290783023 (0xFFC0272F)
YUV	85.6590, -19.0589, 93.2611
Hunter-Lab	35.8769, 51.6501, 18.5516

# Details

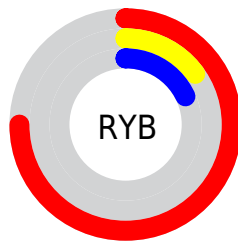
The YIQ color **85.6590, 88.6200, 34.9240** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **145.3410, -88.6200, -34.9240**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.9600, 94.9020, 31.2060**, and **38.9840, 77.1590, 27.8710** is the 20% darker color. If you saturate the color by 10%, you get **72.4540, 99.6230, 39.2630**, and if you desaturate by 10%, it is **98.8640, 77.6170, 30.5850**.

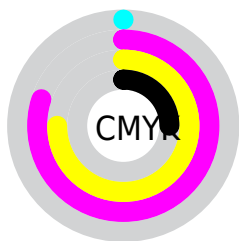
# Distribution



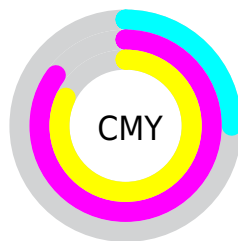
- Red (75%)
- Green (15%)
- Blue (18%)



- Red (75%)
- Yellow (15%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (75%)
- Black (25%)



- Cyan (25%)
- Magenta (85%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.6590, 88.6200, 34.9240 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 85.6590, 88.6200, 34.9240 by changing the saturation by 10% instead.



■ 85.6590, 88.6200,  
34.9240

■ 85.6590, 88.6200,  
34.9240

255.0000, -0.0000,  
-0.0000

■ 51.1030, 87.6100,  
42.2180

■ 144.9600, 94.9020,  
31.2060

■ 39.0980, 76.8380,  
28.1820

■ 164.2460, 79.1770,  
24.3370

■ 29.9000, 59.6000,  
21.2000

■ 183.6460, 63.1310,  
17.7790

■ 21.1580, 41.0780,  
15.4620

■ 203.7470, 46.4890,  
11.0090

■ 12.0740, 23.5190,  
8.7910

■ 223.8480, 29.8470,  
4.2390

■ 0.0000, 0.0000,  
0.0000

■ 244.0630, 12.8840,

-2.2200

■ 85.6590, 88.6200,  
34.9240

■ 85.6590, 88.6200,  
34.9240

■ 72.4540, 99.6230,  
39.2630

■ 98.8640, 77.6170,  
30.5850

■ 59.2490, 110.6260,  
43.6020

■ 112.0690, 66.6140,  
26.2460

■ 58.5480, 111.2220,  
43.8140

■ 125.9750, 55.0150,  
21.6950

■ 139.1800, 44.0120,  
17.3560

■ 152.3850, 33.0090,  
13.0170

■ 165.5900, 22.0060,  
8.6780

■ 178.7950, 11.0030,  
4.3390

■ 192.7010, -0.5960,  
-0.2120

■ 205.9060,  
-11.5990, -4.5510

# Harmonies

## Analogous

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



76.9770, 80.1780, 66.7860



85.6590, 88.6200, 34.9240



92.7730, 77.9900, -3.7220

# Triad

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



85.6590, 88.6200, 34.9240



75.4730, -45.7940, -51.1540



87.9060, -98.7150, 10.3810

# Complementary

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



85.6590, 88.6200, 34.9240



145.3410, -88.6200, -34.9240

# 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.



93.1260, -96.8790, -0.8710



85.6590, 88.6200, 34.9240



84.1880, -66.2000, -33.7520

# Square

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



85.6590, 88.6200, 34.9240



85.4670, 7.0690, -45.5310



90.6860, -84.4970, -16.0250



100.0890, -32.4220, 36.9380



# Rectangle

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



85.6590, 88.6200, 34.9240



95.2660, 56.9480, -18.8600



90.6860, -84.4970, -16.0250



90.6130, -99.4480, 7.1440

# Sweetspot

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



85.6590, 88.6200, 34.9240



208.2820, 34.7970, 13.6530



99.1990, 36.1150, 77.8990



99.9920, 20.8140, 8.2540



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



85.6590, 88.6200, 34.9240



83.2420, 138.8670, 54.9230



123.4890, 73.0380, -2.0820



90.1040, 5.6390, 2.4310



49.1650, 93.0670, 36.9310



10.0950, 19.0260, 7.6180



# Inverse Universe

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



85.6590, 88.6200, 34.9240



83.2420, 138.8670, 54.9230



107.5110, -73.0380, 2.0820



90.1040, 5.6390, 2.4310



49.1650, 93.0670, 36.9310



10.0950, 19.0260, 7.6180



# Previews

## White Background



This preview shows how the YIQ color 85.6590, 88.6200, 34.9240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

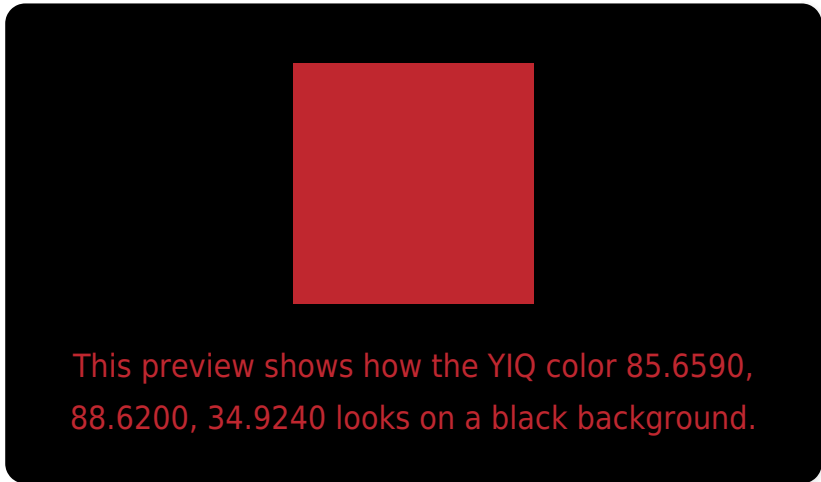
Any Text WCAG AA ✓ Pass

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 85.6590, 88.6200, 34.9240

## Background



This preview shows how black text looks on a background with the YIQ color 85.6590, 88.6200, 34.9240.



This preview shows how white text looks on a background with the YIQ color 85.6590, 88.6200,

34.9240.

# 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

85.6590, 88.6200, 34.9240

### Protanopia

100.4020, 16.0030, -9.1890

### Deuteranopia

99.1300, 37.1400, -12.3000



## Tritanopia

85.4480, 90.5920, 32.2240

# Trichromacy



## Original Color

85.6590, 88.6200, 34.9240

## Protanomaly

95.0730, 42.4550, 7.0230

## Deuteranomaly

94.4350, 55.9350, 5.0150

## Tritanomaly

85.7900, 89.6290, 33.1570

# Monochromacy



## Original Color

85.6590, 88.6200, 34.9240

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

86.0860, 32.4130, 12.8050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.6590, 88.6200, 34.9240 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(192, 39, 47)` looks like.

```
.text, #text, p{  
    color:rgb(192, 39, 47)  
}
```

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(192, 39, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 39, 47) }
```

## Border

The CSS property to change the border of an element to YIQ 85.6590, 88.6200, 34.9240 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(192, 39, 47) }
```



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

```
.border{ border-color:rgb(192, 39, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 39, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 39, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 39, 47);  
box-shadow:4px 4px 4px 4px rgb(192, 39,  
47) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.6590, 88.6200, 34.9240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 39, 47) }
```

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

```
.background{ background-color: rgb(192, 39,  
47) }
```

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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