

Converting Colors

YIQ(89.8350, 102.9240, 40.0120)

Have a look what the booklet for
YIQ(89.8350, 102.9240, 40.0120)
contains.

YIQ(89.8350, 102.9240, 40.0120)	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(89.8350, 102.9240,
40.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	D5242C
RGB	213, 36, 44
RGB Percent	84%, 14%, 17%
CMY	0.1643, 0.8590, 0.8270
CMYK	0.00, 0.83, 0.79, 0.16
HSL	357°, 71%, 49%
HSV	357°, 83%, 84%
XYZ	28.5573, 15.6023, 3.8994
YIQ	89.8350, 102.9240, 40.0120

Conversions

Conversions Part 2

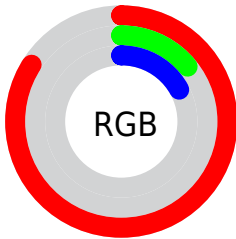
Format	Color
RYB	213, 36, 44
Decimal	13968428
CIELab	46.45, 65.71, 41.75
CIElCh	46, 77.851, 32.427
Yxy	15.6023, 0.5942, 0.3246
Android (android.graphics.Color)	4292158508 (0xFFD5242C)
YUV	89.8350, -22.5967, 108.0157
Hunter-Lab	39.4997, 59.9265, 21.7967

Details

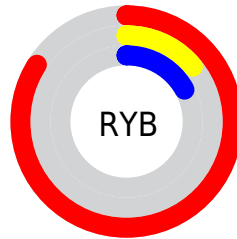
The YIQ color **89.8350, 102.9240, 40.0120** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **159.1650, -102.9240, -40.0120**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.9060, 94.9940, 29.5380**, and **44.5510, 88.8040, 31.5880** is the 20% darker color. If you saturate the color by 10%, you get **75.2280, 115.1190, 44.7750**, and if you desaturate by 10%, it is **104.4420, 90.7290, 35.2490**.

Distribution



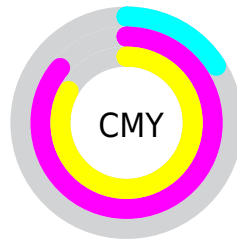
- Red (84%)
- Green (14%)
- Blue (17%)



- Red (84%)
- Yellow (14%)
- Blue (17%)



- Cyan (0%)
- Magenta (83%)
- Yellow (79%)
- Black (16%)





- Cyan (16%)
- Magenta (86%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.8350, 102.9240, 40.0120 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 89.8350, 102.9240, 40.0120 by changing the saturation by 10% instead.


 89.8350, 102.9240,
40.0120

 89.8350, 102.9240,
40.0120


255.0000, -0.0000,
-0.0000


 56.6270, 100.8140,
45.2140


 145.9060, 94.9940,
29.5380


 44.5510, 88.8040,
31.5880


 165.7790, 78.9940,
22.1460


 35.2820, 70.3280,
25.0160


 185.0650, 63.2690,
15.2770

 26.1270, 51.5310,
18.7550

 205.7530, 46.3520,
7.9840

 17.5700, 33.9260,
12.9180

 225.8540, 29.7100,
1.2140

 5.0830, 10.1320,
3.6040

 246.6560, 12.4720,

 0.0000, 0.0000,

-5.7680

0.0000

254.6580, 0.9630,
-0.9330

■ 89.8350, 102.9240,
40.0120

■ 89.8350, 102.9240,
40.0120

■ 75.2280, 115.1190,
44.7750

■ 104.4420, 90.7290,
35.2490

■ 64.8270, 123.7380,
48.2660

■ 119.7500, 77.9380,
30.2740

■ 134.3570, 65.7430,
25.5110

■ 148.9640, 53.5480,
20.7480

■ 163.6850, 41.0320,
16.2960

■ 178.8790, 28.5620,
11.0100

■ 193.4860, 16.3670,
6.2470

■ 208.2070, 3.8510,
1.7950

■ 223.4010, -8.6190,
-3.4910

Harmonies

Analogous

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



78.0920, 96.4520, 80.2280



89.8350, 102.9240, 40.0120



101.9540, 84.7300, -4.7260

Triad

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



89.8350, 102.9240, 40.0120



82.9730, -50.3780, -56.1860



96.9680, -110.4530, 13.8590

Complementary

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



89.8350, 102.9240, 40.0120



159.1650, -102.9240, -40.0120

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.



103.3620, -109.1670, 1.5610



89.8350, 102.9240, 40.0120



93.4150, -74.2690, -36.1970

Square

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



89.8350, 102.9240, 40.0120



91.3150, 1.3850, -52.6550



100.8250, -95.1340, -15.9820



109.5440, -31.9650, 45.1790

Rectangle

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



89.8350, 102.9240, 40.0120



104.1260, 60.1580, -21.9700



100.8250, -95.1340, -15.9820



100.3760, -111.7820, 10.4100

Sweetspot

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



89.8350, 102.9240, 40.0120



210.4780, 37.1810, 14.5010



106.4100, 43.3110, 90.6630



100.8890, 22.6020, 8.8900



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.



89.8350, 102.9240, 40.0120



77.6130, 148.1280, 57.7920



135.8830, 83.4920, -4.3160



99.4030, 6.2350, 2.6430



52.0410, 99.3480, 38.7400



13.0850, 24.9860, 9.7380

Inverse Universe

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



89.8350, 102.9240, 40.0120



77.6130, 148.1280, 57.7920



113.1170, -83.4920, 4.3160



99.4030, 6.2350, 2.6430



52.0410, 99.3480, 38.7400



13.0850, 24.9860, 9.7380

Previews

White Background



This preview shows how the YIQ color 89.8350, 102.9240, 40.0120 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 89.8350, 102.9240, 40.0120 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 89.8350, 102.9240, 40.0120

Background



This preview shows how black text looks on a background with the YIQ color 89.8350, 102.9240, 40.0120.



This preview shows how white text looks on a background with the YIQ color 89.8350, 102.9240,

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

89.8350, 102.9240, 40.0120

Protanopia

109.0450, 21.3220, -11.9740

Deuteranopia

106.6160, 44.3390, -16.1170



Tritanopia

89.5100, 105.2170, 37.0010

Trichromacy



Original Color

89.8350, 102.9240, 40.0120

Protanomaly

102.1510, 50.9830, 6.6550

Deuteranomaly

100.5840, 65.7010, 4.2370

Tritanomaly

89.8520, 104.2540, 37.9340

Monochromacy



Original Color

89.8350, 102.9240, 40.0120

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.7770, 37.7770, 14.7130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.8350, 102.9240, 40.0120 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(213, 36, 44)` looks like.

```
.text, #text, p{  
    color:rgb(213, 36, 44)  
}
```

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(213, 36, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 36, 44) }
```

Border

The CSS property to change the border of an element to YIQ 89.8350, 102.9240, 40.0120 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(213, 36, 44) }
```


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

```
.border{ border-color:rgb(213, 36, 44) }
```

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

Here you see how a box with a 4 pixel rgb(213, 36, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 36, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 36, 44);  
box-shadow:4px 4px 4px 4px rgb(213, 36,  
44) }
```

Background

The CSS property to change the background color of an element to YIQ 89.8350, 102.9240, 40.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 36, 44) }
```

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

```
.background{ background-color: rgb(213, 36,  
44) }
```

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