

Converting Colors

YIQ(116.6940, 98.7070, 33.8350)

Have a look what the booklet for
YIQ(116.6940, 98.7070, 33.8350)
contains.

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Color

**YIQ(116.6940, 98.7070,
33.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	E84441
RGB	232, 68, 65
RGB Percent	91%, 27%, 25%
CMY	0.0898, 0.7336, 0.7447
CMYK	0.00, 0.71, 0.72, 0.09
HSL	1°, 78%, 58%
HSV	1°, 72%, 91%
XYZ	36.3309, 21.6811, 7.2863
YIQ	116.6940, 98.7070, 33.8350

Conversions

Conversions Part 2

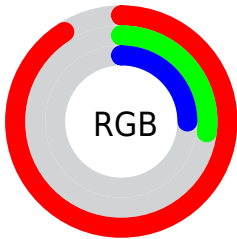
Format	Color
R_{YB}	232, 68, 65
Decimal	15221825
CIE _{Lab}	53.69, 62.49, 38.95
CIE _{LCh}	54, 73.639, 31.935
Yxy	21.6811, 0.5564, 0.3320
Android (android.graphics.Color)	4293411905 (0xFFE84441)
YUV	116.6940, -25.4851, 101.1234
Hunter-Lab	46.5630, 57.7898, 23.3162

Details

The YIQ color **116.6940, 98.7070, 33.8350** 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 **180.3060, -98.7070, -33.8350**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.0890, 81.0570, 23.3050**, and **52.6260, 93.3870, 42.1470** is the 20% darker color. If you saturate the color by 10%, you get **100.5710, 112.4150, 38.7110**, and if you desaturate by 10%, it is **132.8170, 84.9990, 28.9590**.

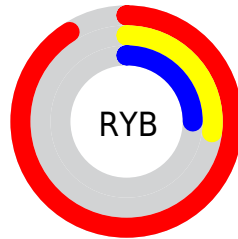
Distribution



Red (91%)

Green (27%)

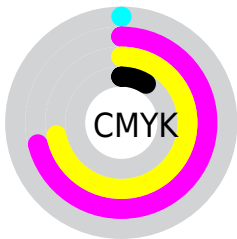
Blue (25%)



Red (91%)

Yellow (27%)

Blue (25%)

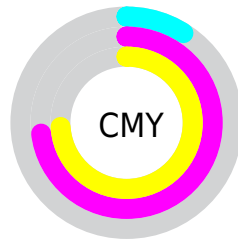


Cyan (0%)

Magenta (71%)

Yellow (72%)

Black (9%)



Cyan (9%)


Magenta (73%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.6940, 98.7070, 33.8350 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 116.6940, 98.7070, 33.8350 by changing the saturation by 10% instead.


 116.6940, 98.7070,
33.8350


 116.6940, 98.7070,
33.8350


255.0000, -0.0000,
-0.0000


 84.6600, 96.0470,
37.9910


 163.2030, 80.7360,
23.6160


 52.6260, 93.3870,
42.1470


 182.4890, 65.0110,
16.7470


 40.9630, 81.6520,
29.0440


 202.5900, 48.3690,
9.9770

 31.6940, 63.1760,
22.4720

 222.6910, 31.7270,
3.2070

 22.9520, 44.6540,
16.7340

 243.4930, 14.4890,
-3.7750

 14.2810, 27.3700,
10.5860

 254.4300, 1.6050,

 0.0000, 0.0000,

-1.5550

0.0000

■ 116.6940, 98.7070,
33.8350

■ 116.6940, 98.7070,
33.8350

■ 100.5710,
112.4150, 38.7110

■ 132.8170, 84.9990,
28.9590

■ 84.4480, 126.1230,
43.5870

■ 149.0540, 70.9700,
24.3940

■ 71.7160, 137.1720,
47.0920

■ 164.5900, 57.5370,
20.0410

■ 180.7130, 43.8290,
15.1650

■ 196.8360, 30.1210,
10.2890

■ 212.9590, 16.4130,
5.4130

■ 229.1960, 2.3840,
0.8480

■ 244.7320,
-11.0490, -3.5050

■ 248.1230,
-13.7080, -4.8760

Harmonies

Analogous

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



114.1040, 87.0100, 64.1140



116.6940, 98.7070, 33.8350



119.3860, 92.0210, -10.2110

Triad

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



116.6940, 98.7070, 33.8350



96.5200, -62.3440, -59.5920



108.3150, -118.9800, 8.7000

Complementary

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



116.6940, 98.7070, 33.8350



180.3060, -98.7070, -33.8350

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.



115.5240, -118.6110, -3.4990



116.6940, 98.7070, 33.8350



106.5060, -84.9510, -40.8470

Square

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



116.6940, 98.7070, 33.8350



109.6550, 11.9310, -56.5570



113.6880, -105.1740, -21.2540



129.2730, -29.7640, 43.8360

Rectangle

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



116.6940, 98.7070, 33.8350



120.9710, 67.7240, -26.9320



113.6880, -105.1740, -21.2540



111.8370, -120.6300, 5.5620

Sweetspot

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



116.6940, 98.7070, 33.8350



216.3310, 33.1010, 11.3490



133.6290, 46.8880, 86.4080



104.7530, 19.9890, 6.6850



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.



116.6940, 98.7070, 33.8350



103.2420, 129.6990, 44.8590



165.4150, 75.8820, -9.5740



109.2890, 6.5560, 2.3320



55.8800, 107.0510, 36.8030



16.7330, 31.9090, 10.9250

Inverse Universe

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



180.3060, -98.7070, -33.8350



187.1710, -129.4240, -44.3360



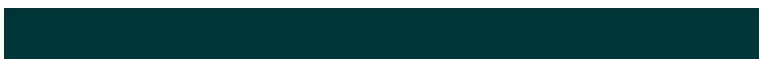
131.5850, -75.8820, 9.5740



113.7110, -6.5560, -2.3320



125.1200, -107.0510, -36.8030



37.2670, -31.9090, -10.9250

Previews

White Background



This preview shows how the YIQ color 116.6940, 98.7070, 33.8350 looks on a white 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

Black Background



This preview shows how the YIQ color 116.6940, 98.7070, 33.8350 looks on a black 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

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

YIQ 116.6940, 98.7070, 33.8350

Background



This preview shows how black text looks on a background with the YIQ color 116.6940, 98.7070, 33.8350.



This preview shows how white text looks on a background with the YIQ color 116.6940, 98.7070,

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

116.6940, 98.7070, 33.8350

Protanopia

127.3870, 20.3590, -11.0410

Deuteranopia

125.7240, 44.1550, -12.7810



Tritanopia

116.6770, 97.3770, 35.9130

Trichromacy



Original Color

116.6940, 98.7070, 33.8350

Protanomaly

123.4280, 48.6450, 4.9730

Deuteranomaly

122.2140, 63.8670, 4.4350

Tritanomaly

116.4490, 98.0190, 35.2910

Monochromacy



Original Color

116.6940, 98.7070, 33.8350

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.8260, 36.0810, 12.4090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.6940, 98.7070, 33.8350 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(232, 68, 65)` looks like.

```
.text, #text, p{  
    color:rgb(232, 68, 65)  
}
```

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(232, 68, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 68, 65) }
```

Border

The CSS property to change the border of an element to YIQ 116.6940, 98.7070, 33.8350 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(232, 68, 65) }
```


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

```
.border{ border-color:rgb(232, 68, 65) }
```

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

Here you see how a box with a 4 pixel rgb(232, 68, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 68, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 68, 65);  
box-shadow:4px 4px 4px 4px rgb(232, 68,  
65) }
```

Background

The CSS property to change the background color of an element to YIQ 116.6940, 98.7070, 33.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 68, 65) }
```

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

```
.background{ background-color: rgb(232, 68,  
65) }
```

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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