

Converting Colors

YIQ(87.8400, 95.3600, 33.9200)

Have a look what the booklet for
YIQ(87.8400, 95.3600, 33.9200)
contains.

YIQ(87.8400, 95.3600, 33.9200)	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(87.8400, 95.3600,
33.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	C82828
RGB	200, 40, 40
RGB Percent	78%, 16%, 16%
CMY	0.2153, 0.8433, 0.8428
CMYK	0.00, 0.80, 0.80, 0.22
HSL	360°, 67%, 47%
HSV	360°, 80%, 78%
XYZ	24.9865, 13.9596, 3.3936
YIQ	87.8400, 95.3600, 33.9200

Conversions

Conversions Part 2

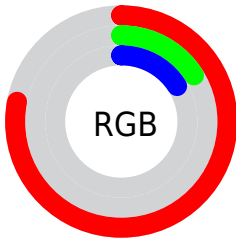
Format	Color
RYB	200, 40, 40
Decimal	13117480
CIELab	44.18, 60.93, 40.81
CIElCh	44, 73.331, 33.815
Yxy	13.9596, 0.5901, 0.3297
Android (android.graphics.Color)	4291307560 (0xFFC82828)
YUV	87.8400, -23.5851, 98.3643
Hunter-Lab	37.3626, 53.9887, 20.7685

Details

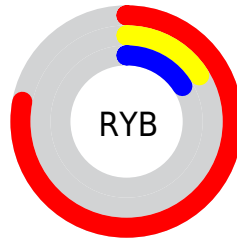
The YIQ color **87.8400, 95.3600, 33.9200** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **152.1600, -95.3600, -33.9200**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.3360, 96.5990, 27.9830**, and **40.9630, 81.6520, 29.0440** is the 20% darker color. If you saturate the color by 10%, you get **73.8200, 107.2800, 38.1600**, and if you desaturate by 10%, it is **101.8600, 83.4400, 29.6800**.

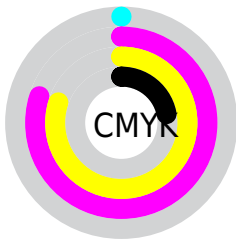
Distribution



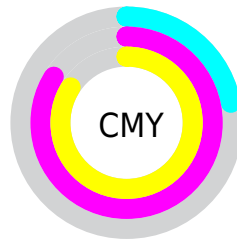
- Red (78%)
- Green (16%)
- Blue (16%)



- Red (78%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.8400, 95.3600, 33.9200 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 87.8400, 95.3600, 33.9200 by changing the saturation by 10% instead.


 87.8400, 95.3600,
33.9200


 87.8400, 95.3600,
33.9200


255.0000, -0.0000,
-0.0000


 52.2840, 94.3500,
41.2140


 145.3360, 96.5990,
27.9830


 40.9630, 81.6520,
29.0440


 164.6220, 80.8740,
21.1140


 31.6940, 63.1760,
22.4720

 184.6090, 64.5530,
14.0330

 22.8380, 44.9750,
16.4230

 204.0090, 48.5070,
7.4750

 14.2810, 27.3700,
10.5860

 224.2240, 31.5440,
1.0160

 0.0000, 0.0000,
0.0000

 244.9120, 14.6270,

-6.2770

254.0880, 2.5680,
-2.4880

87.8400, 95.3600,
33.9200

87.8400, 95.3600,
33.9200

73.8200, 107.2800,
38.1600

101.8600, 83.4400,
29.6800

59.8000, 119.2000,
42.4000

115.8800, 71.5200,
25.4400

129.9000, 59.6000,
21.2000

143.9200, 47.6800,
16.9600

157.9400, 35.7600,
12.7200

■ 171.9600, 23.8400,
8.4800

■ 185.9800, 11.9200,
4.2400

■ 200.0000, -0.0000,
-0.0000

■ 214.0200,
-11.9200, -4.2400

Harmonies

Analogous

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



73.2930, 91.2720, 74.9840



87.8400, 95.3600, 33.9200



97.1920, 78.1280, -6.2240

Triad

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



87.8400, 95.3600, 33.9200



79.7930, -49.6910, -52.1150



90.5620, -103.4380, 13.3780

Complementary

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



87.8400, 95.3600, 33.9200



152.1600, -95.3600, -33.9200

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.



97.2980, -103.1150, 2.0130



87.8400, 95.3600, 33.9200



88.9640, -71.3810, -33.4690

Square

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



87.8400, 95.3600, 33.9200



85.9990, -0.5410, -50.7890



95.2170, -90.3660, -14.2860



105.1980, -25.1790, 43.3410

Rectangle

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



87.8400, 95.3600, 33.9200



98.7880, 55.2980, -21.9980



95.2170, -90.3660, -14.2860



93.9700, -104.7670, 9.9290

Sweetspot

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



87.8400, 95.3600, 33.9200



212.2390, 36.3560, 12.9320



105.1830, 42.2120, 83.0440



102.0630, 22.0520, 7.8440



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.



87.8400, 95.3600, 33.9200



83.2550, 146.0200, 51.9400



133.0390, 74.1850, -6.3510



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320

Inverse Universe

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



87.8400, 95.3600, 33.9200



83.2550, 146.0200, 51.9400



106.9610, -74.1850, 6.3510



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320

Previews

White Background



This preview shows how the YIQ color 87.8400, 95.3600, 33.9200 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 87.8400, 95.3600, 33.9200 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 87.8400, 95.3600, 33.9200

Background



This preview shows how black text looks on a background with the YIQ color 87.8400, 95.3600, 33.9200.



This preview shows how white text looks on a background with the YIQ color 87.8400, 95.3600,

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

87.8400, 95.3600, 33.9200

Protanopia

103.5180, 21.3680, -12.8080

Deuteranopia

101.4310, 43.4220, -16.0180



Tritanopia

87.8400, 95.3600, 33.9200

Trichromacy



Original Color

87.8400, 95.3600, 33.9200

Protanomaly

97.9010, 48.6910, 4.1390

Deuteranomaly

96.2630, 62.1710, 2.1310

Tritanomaly

87.8400, 95.3600, 33.9200

Monochromacy



Original Color

87.8400, 95.3600, 33.9200

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.3420, 34.5680, 12.2960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8400, 95.3600, 33.9200 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(200, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(200, 40, 40)  
}
```

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(200, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 40, 40) }
```

Border

The CSS property to change the border of an element to YIQ 87.8400, 95.3600, 33.9200 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(200, 40, 40) }
```


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

```
.border{ border-color:rgb(200, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(200, 40,  
40) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8400, 95.3600, 33.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 40, 40) }
```

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

```
.background{ background-color: rgb(200, 40,  
40) }
```

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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