

Converting Colors

YIQ(89.4070, 89.8100, 46.4020)

Have a look what the booklet for
YIQ(89.4070, 89.8100, 46.4020)
contains.

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Color

**YIQ(89.4070, 89.8100,
46.4020)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2345
RGB	204, 35, 69
RGB Percent	80%, 14%, 27%
CMY	0.1996, 0.8630, 0.7291
CMYK	0.00, 0.83, 0.66, 0.20
HSL	348°, 71%, 47%
HSV	348°, 83%, 80%
XYZ	26.6072, 14.4812, 7.0367
YIQ	89.4070, 89.8100, 46.4020

Conversions

Conversions Part 2

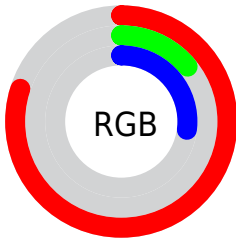
Format	Color
RYB	204, 35, 69
Decimal	13378373
CIELab	44.92, 64.52, 24.77
CIElCh	45, 69.106, 21.001
Yxy	14.4812, 0.5529, 0.3009
Android (android.graphics.Color)	4291568453 (0xFFCC2345)
YUV	89.4070, -10.0607, 100.4981
Hunter-Lab	38.0542, 58.2107, 15.6744

Details

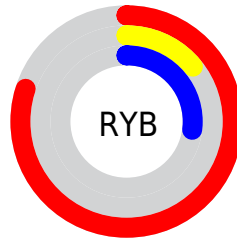
The YIQ color **89.4070, 89.8100, 46.4020** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **149.5930, -89.8100, -46.4020**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **147.6960, 87.1980, 38.6700**, and **45.5360, 75.9650, 38.5010** is the 20% darker color. If you saturate the color by 10%, you get **75.8430, 100.4460, 51.8860**, and if you desaturate by 10%, it is **102.9710, 79.1740, 40.9180**.

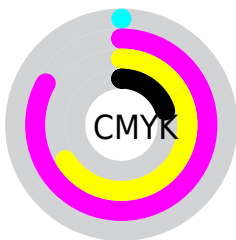
Distribution



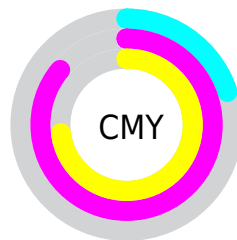
- Red (80%)
- Green (14%)
- Blue (27%)



- Red (80%)
- Yellow (14%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (66%)
- Black (20%)





- Cyan (20%)
- Magenta (86%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.4070, 89.8100, 46.4020 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 89.4070, 89.8100, 46.4020 by changing the saturation by 10% instead.


 89.4070, 89.8100,
46.4020


 89.4070, 89.8100,
46.4020


255.0000, -0.0000,
-0.0000


 57.0850, 88.0210,
51.2930


 147.6960, 87.1980,
38.6700


 45.5360, 75.9650,
38.5010


 167.6830, 70.8770,
31.5890


 33.4880, 66.7520,
23.7440

 187.6700, 54.5560,
24.5080

 24.4470, 47.6340,
17.7940

 207.7710, 37.9140,
17.7380

 15.7760, 30.3500,
11.6460

 227.9860, 20.9510,
11.2790

 0.0000, 0.0000,
0.0000

 248.9020, 3.3920,

4.6080

■ 89.4070, 89.8100,
46.4020

■ 89.4070, 89.8100,
46.4020

■ 75.8430, 100.4460,
51.8860

■ 102.9710, 79.1740,
40.9180

■ 65.6700, 108.4230,
55.9990

■ 117.2360, 67.9420,
35.2220

■ 130.8000, 57.3060,
29.7380

■ 144.9510, 46.3950,
23.7310

■ 158.6290, 35.4380,
18.5580

■ 172.1930, 24.8020,
13.0740

■ 186.3440, 13.8910,
7.0670

■ 199.9080, 3.2550,
1.5830

■ 214.1730, -7.9770,
-4.1130

Harmonies

Analogous

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



91.7630, 69.0370, 64.9490



89.4070, 89.8100, 46.4020



96.6050, 87.5710, 4.3630

Triad

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



89.4070, 89.8100, 46.4020



75.8830, -41.4370, -58.5330



95.0470, -103.6660, 6.4940

Complementary

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



89.4070, 89.8100, 46.4020



149.5930, -89.8100, -46.4020

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.



97.4800, -98.1160, -5.9880



89.4070, 89.8100, 46.4020



86.1140, -63.3560, -41.2440

Square

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



89.4070, 89.8100, 46.4020



94.7140, 22.6110, -40.8530



93.5410, -82.8910, -23.1070



97.2740, -67.0360, 25.4760

Rectangle

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



89.4070, 89.8100, 46.4020



100.0720, 69.4180, -13.5740



93.5410, -82.8910, -23.1070



96.8250, -103.1610, 2.8470

Sweetspot

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



89.4070, 89.8100, 46.4020



211.6180, 33.9710, 17.6110



93.7340, 24.4230, 80.5430



101.5730, 20.6760, 10.7560



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.



89.4070, 89.8100, 46.4020



84.0480, 134.1420, 68.9740



113.7070, 87.5240, 10.7240



95.2180, 5.3180, 2.7420



53.3960, 88.3430, 45.4550



12.2740, 20.0800, 10.5440

Inverse Universe

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



89.4070, 89.8100, 46.4020



84.0480, 134.1420, 68.9740



125.2930, -87.5240, -10.7240



95.2180, 5.3180, 2.7420



53.3960, 88.3430, 45.4550



12.2740, 20.0800, 10.5440

Previews

White Background



This preview shows how the YIQ color 89.4070, 89.8100, 46.4020 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 89.4070, 89.8100, 46.4020 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 89.4070, 89.8100, 46.4020

Background



This preview shows how black text looks on a background with the YIQ color 89.4070, 89.8100, 46.4020.



This preview shows how white text looks on a background with the YIQ color 89.4070, 89.8100,

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

89.4070, 89.8100, 46.4020

Protanopia

107.3550, 6.1900, -2.0500

Deuteranopia

105.8830, 30.7660, -6.9140



Tritanopia

89.5520, 96.2310, 34.6550

Trichromacy



Original Color

89.4070, 89.8100, 46.4020

Protanomaly

100.8200, 36.2180, 15.4340

Deuteranomaly

100.2100, 52.4950, 12.2950

Tritanomaly

89.5180, 93.5710, 38.8110

Monochromacy



Original Color

89.4070, 89.8100, 46.4020

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.0200, 32.7790, 17.1870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.4070, 89.8100, 46.4020 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(204, 35, 69)` looks like.

```
.text, #text, p{  
    color:rgb(204, 35, 69)  
}
```

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(204, 35, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 35, 69) }
```

Border

The CSS property to change the border of an element to YIQ 89.4070, 89.8100, 46.4020 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(204, 35, 69) }
```


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

```
.border{ border-color:rgb(204, 35, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 35, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 35, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 35, 69);  
box-shadow:4px 4px 4px 4px rgb(204, 35,  
69) }
```

Background

The CSS property to change the background color of an element to YIQ 89.4070, 89.8100, 46.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 35, 69) }
```

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

```
.background{ background-color: rgb(204, 35,  
69) }
```

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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