

Converting Colors

YIQ(109.6890, 79.9080, 38.6280)

Have a look what the booklet for
YIQ(109.6890, 79.9080, 38.6280)
contains.

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Color

**YIQ(109.6890, 79.9080,
38.6280)**

Conversions

Conversions Part 1

Format	Color
Hex	D23F57
RGB	210, 63, 87
RGB Percent	82%, 25%, 34%
CMY	0.1761, 0.7531, 0.6585
CMYK	0.00, 0.70, 0.59, 0.18
HSL	350°, 62%, 54%
HSV	350°, 70%, 82%
XYZ	30.1023, 17.9528, 10.9118
YIQ	109.6890, 79.9080, 38.6280

Conversions

Conversions Part 2

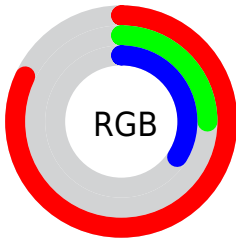
Format	Color
R_{YB}	210, 63, 87
Decimal	13778775
CIE Lab	49.44, 58.76, 19.93
CIE LCh	49, 62.042, 18.735
Yxy	17.9528, 0.5105, 0.3045
Android (android.graphics.Color)	4291968855 (0xFFD23F57)
YUV	109.6890, -11.1857, 87.9727
Hunter-Lab	42.3708, 52.6665, 14.3905

Details

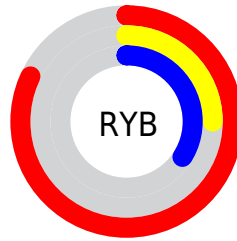
The YIQ color **109.6890, 79.9080, 38.6280** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **163.3110, -79.9080, -38.6280**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **162.3030, 75.0030, 33.9070**, and **49.3390, 75.3220, 44.6500** is the 20% darker color. If you saturate the color by 10%, you get **95.4240, 91.1400, 44.3240**, and if you desaturate by 10%, it is **124.0680, 68.3550, 33.2430**.

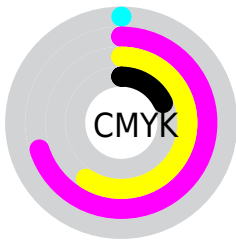
Distribution



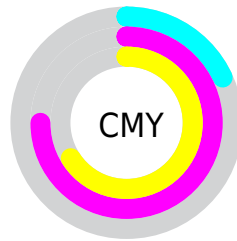
- Red (82%)
- Green (25%)
- Blue (34%)



- Red (82%)
- Yellow (25%)
- Blue (34%)



- Cyan (0%)
- Magenta (70%)
- Yellow (59%)
- Black (18%)





- Cyan (18%)
- Magenta (75%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 109.6890, 79.9080, 38.6280 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 109.6890, 79.9080, 38.6280 by changing the saturation by 10% instead.


 109.6890, 79.9080,
38.6280


 109.6890, 79.9080,
38.6280


255.0000, -0.0000,
-0.0000


 78.4270, 77.8900,
42.1620


 162.3030, 75.0030,
33.9070


 49.3390, 75.3220,
44.6500


 181.7030, 58.9570,
27.3490

 38.0890, 63.8620,
32.0700


 201.2170, 42.5900,
21.1020

 26.9100, 53.6400,
19.0800

 221.4320, 25.6270,
14.6430

 18.8800, 35.9890,
14.0770

 242.2340, 8.3890,
7.6610

 7.8880, 15.1750,
5.8230

 0.0000, 0.0000,

0.0000

■ 109.6890, 79.9080,
38.6280

■ 109.6890, 79.9080,
38.6280

■ 95.4240, 91.1400,
44.3240

■ 124.0680, 68.3550,
33.2430

■ 81.0450, 102.6930,
49.7090

■ 138.3330, 57.1230,
27.5470

■ 66.6660, 114.2460,
55.0940

■ 152.7120, 45.5700,
22.1620

■ 166.9770, 34.3380,
16.4660

■ 181.3560, 22.7850,
11.0810

■ 195.6210, 11.5530,
5.3850

■ 210.0000, 0.0000,
0.0000

■ 224.3790,
-11.5530, -5.3850

■ 238.6440,
-22.7850, -11.0810

Harmonies

Analogous

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



113.6270, 57.2560, 52.6800



109.6890, 79.9080, 38.6280



111.9340, 79.4550, 8.2790

Triad

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



109.6890, 79.9080, 38.6280



95.5800, -27.0420, -49.5860



101.5040, -106.6910, 0.7410

Complementary

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



109.6890, 79.9080, 38.6280



163.3110, -79.9080, -38.6280

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.



103.9370, -101.1410, -11.7410



109.6890, 79.9080, 38.6280



93.0100, -68.9950, -43.6750

Square

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



109.6890, 79.9080, 38.6280



106.2650, 31.1850, -42.0550



99.8670, -86.9250, -27.0930



111.2270, -59.6540, 23.8500

Rectangle

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



109.6890, 79.9080, 38.6280



110.4160, 74.1410, -16.5710



99.8670, -86.9250, -27.0930



102.6950, -105.9110, -2.3830

Sweetspot

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



109.6890, 79.9080, 38.6280



218.1720, 29.2950, 14.2470



116.5350, 26.1210, 71.7930



106.1380, 17.4670, 8.3390



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.



109.6890, 79.9080, 38.6280



108.9760, 116.3090, 56.2530



135.7160, 74.1370, 5.5370



97.5170, 5.9140, 2.9540



53.4240, 91.1400, 44.3240



13.0570, 22.1890, 10.8690

Inverse Universe

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



109.6890, 79.9080, 38.6280



108.9760, 116.3090, 56.2530



137.2840, -74.1370, -5.5370



97.5170, 5.9140, 2.9540



53.4240, 91.1400, 44.3240



13.0570, 22.1890, 10.8690

Previews

White Background



This preview shows how the YIQ color 109.6890, 79.9080, 38.6280 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 109.6890, 79.9080, 38.6280 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 109.6890, 79.9080, 38.6280

Background



This preview shows how black text looks on a background with the YIQ color 109.6890, 79.9080, 38.6280.

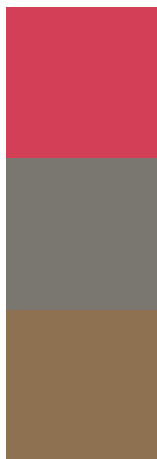


This preview shows how white text looks on a background with the YIQ color 109.6890, 79.9080,

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

109.6890, 79.9080, 38.6280

Protanopia

118.5120, 4.3100, -1.0180

Deuteranopia

117.6100, 27.2810, -4.3270



Tritanopia

109.2130, 83.9440, 31.5600

Trichromacy



Original Color

109.6890, 79.9080, 38.6280

Protanomaly

115.3140, 31.7710, 13.4270

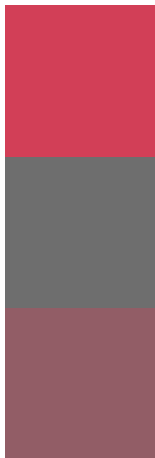
Deuteranomaly

114.8610, 46.1680, 11.3200

Tritanomaly

109.3100, 82.2930, 33.9490

Monochromacy



Original Color

109.6890, 79.9080, 38.6280

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.8730, 28.6990, 14.0350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.6890, 79.9080, 38.6280 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(210, 63, 87)` looks like.

```
.text, #text, p{  
    color:rgb(210, 63, 87)  
}
```

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(210, 63, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 63, 87) }
```

Border

The CSS property to change the border of an element to YIQ 109.6890, 79.9080, 38.6280 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(210, 63, 87) }
```


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

```
.border{ border-color:rgb(210, 63, 87) }
```

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

Here you see how a box with a 4 pixel rgb(210, 63, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 63, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 63, 87);  
box-shadow:4px 4px 4px 4px rgb(210, 63,  
87) }
```

Background

The CSS property to change the background color of an element to YIQ 109.6890, 79.9080, 38.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 63, 87) }
```

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

```
.background{ background-color: rgb(210, 63,  
87) }
```

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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