

Converting Colors

YIQ(209.6490, 73.9620,
-40.8700)

Have a look what the booklet for
YIQ(209.6490, 73.9620, -40.8700)
contains.

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Color

**YIQ(209.6490, 73.9620,
-40.8700)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD83A
RGB	255, 216, 58
RGB Percent	100%, 85%, 23%
CMY	0.0000, 0.1530, 0.7721
CMYK	0.00, 0.15, 0.77, 0.00
HSL	48°, 100%, 61%
HSV	48°, 77%, 100%
XYZ	66.5575, 70.6694, 14.1498
YIQ	209.6490, 73.9620, -40.8700

Conversions

Conversions Part 2

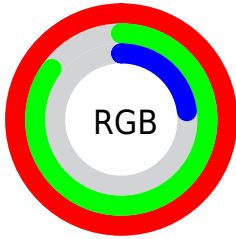
Format	Color
R _Y B	107, 255, 58
Decimal	16767034
CIE Lab	87.32, -1.36, 76.84
CIE LCh	87, 76.853, 91.011
Yxy	70.6694, 0.4397, 0.4668
Android (android.graphics.Color)	4294957114 (0xFFFFD83A)
YUV	209.6490, -74.7630, 39.7728
Hunter-Lab	84.0651, -5.7889, 48.8659

Details

The YIQ color **209.6490, 73.9620, -40.8700** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **103.3510, -73.9620, 40.8700**, and the grayscale version is **210.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **239.2680, 44.2980, -42.9180**, and **153.1000, 71.0740, -43.5980** is the 20% darker color. If you saturate the color by 10%, you get **203.8640, 83.3620, -46.0300**, and if you desaturate by 10%, it is **215.5480, 64.2410, -35.3990**.

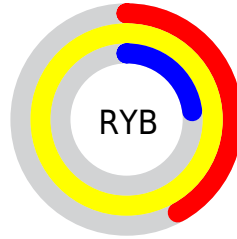
Distribution



Red (100%)

Green (85%)

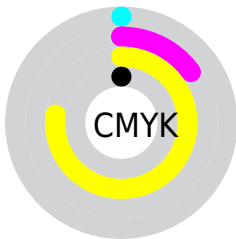
Blue (23%)



Red (42%)

Yellow (100%)

Blue (23%)

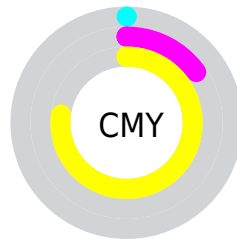


Cyan (0%)

Magenta (15%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 209.6490, 73.9620, -40.8700 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 209.6490, 73.9620, -40.8700 by changing the saturation by 10% instead.


 209.6490, 73.9620,
-40.8700


 209.6490, 73.9620,
-40.8700


255.0000, -0.0000,
-0.0000


 179.4980, 75.7050,
-44.9270


 239.2680, 44.2980,
-42.9180


 153.1000, 71.0740,
-43.5980


 242.5740, 34.9890,
-33.8990


 128.8680, 60.3440,
-36.3600


 245.7660, 26.0010,
-25.1910

 105.5220, 49.9350,
-29.4330

 249.0720, 16.6920,
-16.1720

 82.7630, 39.2510,
-23.0290

 252.4920, 7.0620,
-6.8420

 60.8900, 28.8880,
-16.9360

 40.2020, 19.4420,

-10.9420

■ 21.2860, 10.6380,
-5.5700

■ 0.0000, 0.0000,
0.0000

■ 209.6490, 73.9620,
-40.8700

■ 209.6490, 73.9620,
-40.8700

■ 203.8640, 83.3620,
-46.0300

■ 215.5480, 64.2410,
-35.3990

■ 197.9650, 93.0830,
-51.5010

■ 221.3330, 54.8410,
-30.2390

■ 195.9930, 95.8800,
-52.6320

■ 227.2320, 45.1200,
-24.7680

■ 233.0170, 35.7200,
-19.6080

■ 238.9160, 25.9990,
-14.1370

■ 244.7010, 16.5990,
-8.9770

■ 250.6000, 6.8780,
-3.5060

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



196.7470, 71.7110, -16.5850



209.6490, 73.9620, -40.8700



202.2270, 16.0120, -58.9320

Triad

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



209.6490, 73.9620, -40.8700



177.5810, -151.4300, -53.0140



203.9310, 23.9250, 45.5010

Complementary

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



209.6490, 73.9620, -40.8700



103.3510, -73.9620, 40.8700

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.



211.9730, -3.3970, 23.0270



209.6490, 73.9620, -40.8700



172.2980, -148.9550, -48.3070

Square

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



209.6490, 73.9620, -40.8700



174.0640, -140.1490, -64.7330



161.7320, -144.0050, -38.8930



189.8480, 40.1560, 43.1960

Rectangle

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



209.6490, 73.9620, -40.8700



192.7060, -36.8050, -65.3890



161.7320, -144.0050, -38.8930



209.2140, 21.4500, 40.7940

Sweetspot

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



209.6490, 73.9620, -40.8700



241.2300, 22.2390, -12.0730



121.3490, 104.8930, 53.8930



119.2000, 13.7560, -7.0120



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.



209.6490, 73.9620, -40.8700



200.3930, 89.0020, -49.1260



214.9010, 28.0730, -73.7750



124.7570, 4.9980, -2.4740



146.9200, 71.7610, -39.5270



49.0730, 24.1190, -13.1050

Inverse Universe

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



103.3510, -73.9620, 40.8700



72.6070, -89.0020, 49.1260



98.0990, -28.0730, 73.7750



117.6560, -4.7230, 2.9970



44.0800, -71.7610, 39.5270



14.9270, -24.1190, 13.1050

Previews

White Background



This preview shows how the YIQ color 209.6490, 73.9620, -40.8700 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 209.6490, 73.9620, -40.8700 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 ✓ Pass

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

YIQ 209.6490, 73.9620, -40.8700

Background



This preview shows how black text looks on a background with the YIQ color 209.6490, 73.9620, -40.8700.



This preview shows how white text looks on a background with the YIQ color 209.6490, 73.9620, -40.8700.

-40.8700.

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

209.6490, 73.9620, -40.8700

Protanopia

208.8330, 67.4520, -44.0360

Deuteranopia

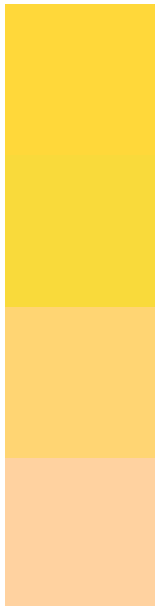
217.5610, 46.1720, -10.7880



Tritanopia

222.0190, 25.3520, 14.1200

Trichromacy



Original Color

209.6490, 73.9620, -40.8700

Protanomaly

209.1430, 69.5150, -42.8770

Deuteranomaly

214.3860, 56.4900, -21.5740

Tritanomaly

217.7550, 42.8700, -6.0100

Monochromacy



Original Color

209.6490, 73.9620, -40.8700

Achromatopsia

210.0000, 0.0000, 0.0000

Achromatomaly

209.6880, 26.6410, -14.7590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 209.6490, 73.9620, -40.8700 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(255, 216, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 58)  
}
```

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(255, 216, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 58) }
```

Border

The CSS property to change the border of an element to YIQ 209.6490, 73.9620, -40.8700 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(255, 216, 58) }
```


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

```
.border{ border-color:rgb(255, 216, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
58) }
```

Background

The CSS property to change the background color of an element to YIQ 209.6490, 73.9620, -40.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 58) }
```

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

```
.background{ background-color: rgb(255,  
216, 58) }
```

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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