

Converting Colors

YIQ(198.2650, 66.7160,
-30.6920)

Have a look what the booklet for
YIQ(198.2650, 66.7160, -30.6920)
contains.

YIQ(198.2650, 66.7160, -30.6920)	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(198.2650, 66.7160,
-30.6920)**

Conversions

Conversions Part 1

Format	Color
Hex	F3C848
RGB	243, 200, 72
RGB Percent	95%, 78%, 28%
CMY	0.0470, 0.2157, 0.7173
CMYK	0.00, 0.18, 0.70, 0.05
HSL	45°, 88%, 62%
HSV	45°, 70%, 95%
XYZ	58.7869, 60.8248, 14.7887
YIQ	198.2650, 66.7160, -30.6920

Conversions

Conversions Part 2

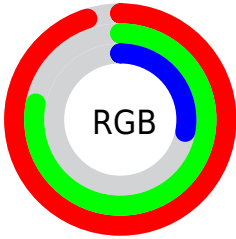
Format	Color
RYB	129, 243, 72
Decimal	15976520
CIELab	82.28, 2.37, 66.65
CIELCh	82, 66.692, 87.966
Yxy	60.8248, 0.4374, 0.4526
Android (android.graphics.Color)	4294166600 (0xFFFF3C848)
YUV	198.2650, -62.2486, 39.2326
Hunter-Lab	77.9903, -1.9347, 43.3505

Details

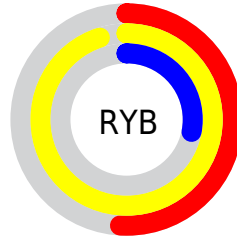
The YIQ color **198.2650, 66.7160, -30.6920** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **116.7350, -66.7160, 30.6920**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **240.4080, 41.0880, -39.8080**, and **140.4190, 68.9180, -37.5620** is the 20% darker color. If you saturate the color by 10%, you get **192.0070, 76.0700, -35.0180**, and if you desaturate by 10%, it is **204.5230, 57.3620, -26.3660**.

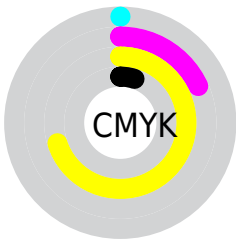
Distribution



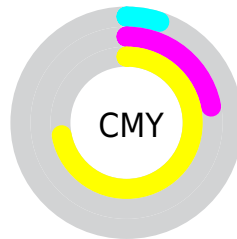
- Red (95%)
- Green (78%)
- Blue (28%)



- Red (51%)
- Yellow (95%)
- Blue (28%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (5%)



- Cyan (5%)
- Magenta (22%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 198.2650, 66.7160, -30.6920 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 198.2650, 66.7160, -30.6920 by changing the saturation by 10% instead.

198.2650, 66.7160,
-30.6920

198.2650, 66.7160,
-30.6920

255.0000, -0.0000,
-0.0000

170.1400, 65.5700,
-31.9500

240.4080, 41.0880,
-39.8080

140.4190, 68.9180,
-37.5620

243.6000, 32.1000,
-31.1000

117.0730, 58.5090,
-30.6350

246.7920, 23.1120,
-22.3920

93.7270, 48.1000,
-23.7080

250.0980, 13.8030,
-13.3730

71.8540, 37.7370,
-17.6150

253.4040, 4.4940,
-4.3540

50.5680, 27.0990,
-12.0450

30.7660, 17.9740,

-6.3620

■ 8.6050, 8.4820,
0.4660

■ 0.0000, 0.0000,
0.0000

■ 198.2650, 66.7160,
-30.6920

■ 198.2650, 66.7160,
-30.6920

■ 192.0070, 76.0700,
-35.0180

■ 204.5230, 57.3620,
-26.3660

■ 185.6350, 85.7450,
-39.6550

■ 210.8950, 47.6870,
-21.7290

■ 179.4910, 94.7780,
-43.6700

■ 217.1530, 38.3330,
-17.4030

■ 223.4110, 28.9790,
-13.0770

■ 230.3700, 19.0290,
-8.9630

■ 236.6280, 9.6750,
-4.6370

■ 242.8860, 0.3210,
-0.3110

■ 247.8900, -5.5020,
0.5940

■ 251.4120, -7.1520,
-2.5440

Harmonies

Analogous

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



190.8430, 71.8010, -7.1990



198.2650, 66.7160, -30.6920



192.0030, 19.9990, -48.5850

Triad

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



198.2650, 66.7160, -30.6920



167.0150, -146.4800, -43.6000



202.1700, 24.7500, 47.0700

Complementary

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



198.2650, 66.7160, -30.6920



116.7350, -66.7160, 30.6920

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.



200.4000, -14.9050, 22.3350



198.2650, 66.7160, -30.6920



162.9060, -144.5550, -39.9390

Square

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



198.2650, 66.7160, -30.6920



160.5170, -128.1830, -61.3270



163.3700, -121.9540, -25.5220



187.8760, 42.9530, 42.0650

Rectangle

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



198.2650, 66.7160, -30.6920



185.4570, -22.5020, -54.7740



163.3700, -121.9540, -25.5220



206.8660, 22.5500, 42.8860

Sweetspot

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



198.2650, 66.7160, -30.6920



241.2130, 20.9090, -9.9950



128.3730, 87.1500, 50.5580



119.0690, 12.7470, -5.2450



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.



198.2650, 66.7160, -30.6920



198.9060, 83.5440, -38.3120



211.5460, 31.0510, -61.6610



118.8710, 4.6770, -2.1630



137.2070, 72.6310, -33.2650



43.4690, 23.0640, -10.5040

Inverse Universe

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



116.7350, -66.7160, 30.6920



97.0940, -83.5440, 38.3120



103.4540, -31.0510, 61.6610



113.1290, -4.6770, 2.1630



48.7930, -72.6310, 33.2650



15.5310, -23.0640, 10.5040

Previews

White Background



This preview shows how the YIQ color 198.2650, 66.7160, -30.6920 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 198.2650, 66.7160, -30.6920 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 198.2650, 66.7160, -30.6920

Background



This preview shows how black text looks on a background with the YIQ color 198.2650, 66.7160, -30.6920.



This preview shows how white text looks on a background with the YIQ color 198.2650, 66.7160,

-30.6920.

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

198.2650, 66.7160, -30.6920

Protanopia

197.2420, 56.3550, -35.6530

Deuteranopia

199.6020, 73.3170, -23.6670



Tritanopia

208.4440, 34.5210, 18.6570

Trichromacy



Original Color

198.2650, 66.7160, -30.6920

Protanomaly

197.4490, 60.2060, -33.8580

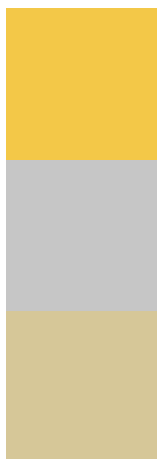
Deuteranomaly

199.3520, 71.0250, -26.1830

Tritanomaly

204.8250, 45.8490, 0.5770

Monochromacy



Original Color

198.2650, 66.7160, -30.6920

Achromatopsia

198.0000, -0.0000, 0.0000

Achromatomaly

198.1270, 24.0270, -11.4370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 198.2650, 66.7160, -30.6920 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(243, 200, 72)` looks like.

```
.text, #text, p{  
    color:rgb(243, 200, 72)  
}
```

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(243, 200, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 200, 72) }
```

Border

The CSS property to change the border of an element to YIQ 198.2650, 66.7160, -30.6920 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(243, 200, 72) }
```


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

```
.border{ border-color:rgb(243, 200, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 200, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 200, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 200, 72);  
box-shadow:4px 4px 4px 4px rgb(243, 200,  
72) }
```

Background

The CSS property to change the background color of an element to YIQ 198.2650, 66.7160, -30.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 200, 72) }
```

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

```
.background{ background-color: rgb(243,  
200, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor