

Converting Colors

YIQ(212.9770, 75.6140,
-48.7860)

Have a look what the booklet for
YIQ(212.9770, 75.6140, -48.7860)
contains.

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Color

**YIQ(212.9770, 75.6140,
-48.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE02E
RGB	255, 224, 46
RGB Percent	100%, 88%, 18%
CMY	0.0000, 0.1216, 0.8191
CMYK	0.00, 0.12, 0.82, 0.00
HSL	51°, 100%, 59%
HSV	51°, 82%, 100%
XYZ	68.3839, 74.7604, 13.4223
YIQ	212.9770, 75.6140, -48.7860

Conversions

Conversions Part 2

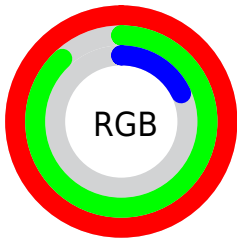
Format	Color
R _Y B	82, 255, 46
Decimal	16769070
CIE Lab	89.28, -5.76, 81.98
CIE LCh	89, 82.183, 94.022
Yxy	74.7604, 0.4368, 0.4775
Android (android.graphics.Color)	4294959150 (0xFFFFE02E)
YUV	212.9770, -82.3197, 36.8542
Hunter-Lab	86.4641, -10.1377, 51.3209

Details

The YIQ color **212.9770, 75.6140, -48.7860** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **88.0230, -75.6140, 48.7860**, and the grayscale version is **214.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **238.3560, 46.8660, -45.4060**, and **157.2090, 69.1490, -47.2590** is the 20% darker color. If you saturate the color by 10%, you get **207.7790, 84.7390, -54.4690**, and if you desaturate by 10%, it is **218.2890, 66.1680, -42.7920**.

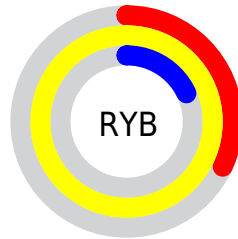
Distribution



Red (100%)

Green (88%)

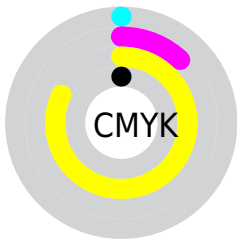
Blue (18%)



Red (32%)

Yellow (100%)

Blue (18%)

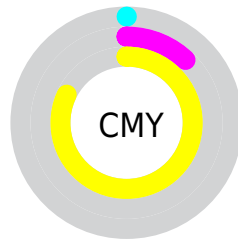


Cyan (0%)

Magenta (12%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.9770, 75.6140, -48.7860 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 212.9770, 75.6140, -48.7860 by changing the saturation by 10% instead.

212.9770, 75.6140,
-48.7860

212.9770, 75.6140,
-48.7860

255.0000, -0.0000,
-0.0000

182.0280, 79.6040,
-55.0200

238.3560, 46.8660,
-45.4060

157.2090, 69.1490,
-47.2590

241.6620, 37.5570,
-36.3870

132.9770, 58.4190,
-40.0210

244.9680, 28.2480,
-27.3680

109.6310, 48.0100,
-33.0940

248.3880, 18.6180,
-18.0380

86.2850, 37.6010,
-26.1670

251.6940, 9.3090,
-9.0190

64.4120, 27.2380,
-20.0740

43.7240, 17.7920,

-14.0800

■ 24.5090, 8.3920,
-8.9200

■ 0.0000, 0.0000,
0.0000

■ 212.9770, 75.6140,
-48.7860

■ 212.9770, 75.6140,
-48.7860

■ 207.7790, 84.7390,
-54.4690

■ 218.2890, 66.1680,
-42.7920

■ 203.6240, 92.3050,
-59.4310

■ 223.4870, 57.0430,
-37.1090

■ 228.2120, 47.8720,
-30.5920

■ 233.4100, 38.7470,
-24.9090

■ 238.7220, 29.3010,
-18.9150

■ 243.9200, 20.1760,
-13.2320

■ 248.6450, 11.0050,
-6.7150

■ 253.8430, 1.8800,
-1.0320

■ 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.



199.6020, 73.3170, -23.6670



212.9770, 75.6140, -48.7860



205.3030, 9.6860, -65.4340

Triad

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



212.9770, 75.6140, -48.7860



178.7550, -151.9800, -54.0600



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.



212.9770, 75.6140, -48.7860



88.0230, -75.6140, 48.7860

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.



217.6430, 6.4600, 26.1080



212.9770, 75.6140, -48.7860



175.8200, -150.6050, -51.4450

Square

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



212.9770, 75.6140, -48.7860



176.2470, -144.9180, -60.9020



164.9770, -143.3170, -40.3490



188.4460, 41.3480, 43.6200

Rectangle

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



212.9770, 75.6140, -48.7860



192.8780, -52.2090, -72.5690



164.9770, -143.3170, -40.3490



208.6270, 21.7250, 41.3170

Sweetspot

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



212.9770, 75.6140, -48.7860



242.4210, 23.0190, -15.1970



112.0250, 114.6130, 53.9490



120.0320, 14.1690, -8.9910



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.



212.9770, 75.6140, -48.7860



204.7810, 90.4250, -58.3990



209.3470, 23.5810, -80.4750



125.3440, 4.7230, -2.9970



152.7900, 69.0110, -44.7570



50.8340, 23.2940, -14.6740

Inverse Universe

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



88.0230, -75.6140, 48.7860



55.2190, -90.4250, 58.3990



91.6530, -23.5810, 80.4750



117.6560, -4.7230, 2.9970



38.2100, -69.0110, 44.7570



12.5790, -23.0190, 15.1970

Previews

White Background



This preview shows how the YIQ color 212.9770, 75.6140, -48.7860 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 212.9770, 75.6140, -48.7860 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 212.9770, 75.6140, -48.7860

Background



This preview shows how black text looks on a background with the YIQ color 212.9770, 75.6140, -48.7860.



This preview shows how white text looks on a background with the YIQ color 212.9770, 75.6140, -48.7860.

-48.7860.

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

212.9770, 75.6140, -48.7860

Protanopia

212.6670, 73.5510, -49.9450

Deuteranopia

223.9500, 37.8270, -8.2290



Tritanopia

227.5130, 20.9050, 12.1130

Trichromacy



Original Color

212.9770, 75.6140, -48.7860

Protanomaly

212.9660, 74.1470, -49.7330

Deuteranomaly

220.1080, 51.4010, -22.9590

Tritanomaly

222.4510, 40.6700, -10.1940

Monochromacy



Original Color

212.9770, 75.6140, -48.7860

Achromatopsia

213.0000, -0.0000, 0.0000

Achromatomaly

212.8790, 27.4210, -17.8830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.9770, 75.6140, -48.7860 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, 224, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 46)  
}
```

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, 224, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 46) }
```

Border

The CSS property to change the border of an element to YIQ 212.9770, 75.6140, -48.7860 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, 224, 46) }
```


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

```
.border{ border-color:rgb(255, 224, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 212.9770, 75.6140, -48.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 46) }
```

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

```
.background{ background-color: rgb(255,  
224, 46) }
```

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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