

Converting Colors

YIQ(199.9520, 85.9300,
-48.5180)

Have a look what the booklet for
YIQ(199.9520, 85.9300, -48.5180)
contains.

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Color

**YIQ(199.9520, 85.9300,
-48.5180)**

Conversions

Conversions Part 1

Format	Color
Hex	FCD016
RGB	252, 208, 22
RGB Percent	99%, 82%, 9%
CMY	0.0118, 0.1844, 0.9132
CMYK	0.00, 0.17, 0.91, 0.01
HSL	49°, 97%, 54%
HSV	49°, 91%, 99%
XYZ	62.8411, 65.8558, 10.1647
YIQ	199.9520, 85.9300, -48.5180

Conversions

Conversions Part 2

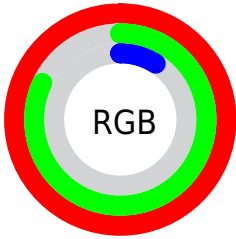
Format	Color
RYB	76, 252, 22
Decimal	16568342
CIELab	84.92, 0.57, 83.28
CIELCh	85, 83.279, 89.607
Yxy	65.8558, 0.4525, 0.4743
Android (android.graphics.Color)	4294758422 (0xFFFC016)
YUV	199.9520, -87.7303, 45.6461
Hunter-Lab	81.1516, -3.7908, 49.3797

Details

The YIQ color **199.9520, 85.9300, -48.5180** 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 **74.0480, -85.9300, 48.5180**, and the grayscale version is **201.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.6460, 51.6810, -50.0710**, and **147.2080, 70.8900, -40.2620** is the 20% darker color. If you saturate the color by 10%, you get **195.0960, 94.0920, -53.2680**, and if you desaturate by 10%, it is **205.7370, 76.5300, -43.3580**.

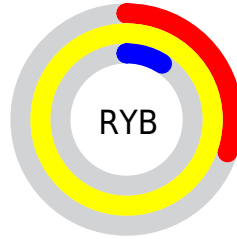
Distribution



Red (99%)

Green (82%)

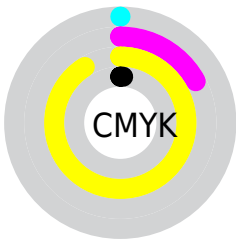
Blue (9%)



Red (30%)

Yellow (99%)

Blue (9%)

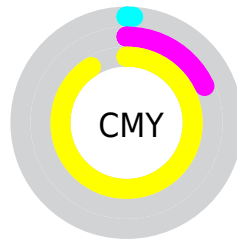


Cyan (0%)

Magenta (17%)

Yellow (91%)

Black (1%)



Cyan (1%)

Magenta (18%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 199.9520, 85.9300, -48.5180 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 199.9520, 85.9300, -48.5180 by changing the saturation by 10% instead.

199.9520, 85.9300,
-48.5180

199.9520, 85.9300,
-48.5180

255.0000, -0.0000,
-0.0000

172.3260, 81.9410,
-47.8110

236.6460, 51.6810,
-50.0710

147.2080, 70.8900,
-40.2620

239.9520, 42.3720,
-41.0520

122.9760, 60.1600,
-33.0240

243.2580, 33.0630,
-32.0330

100.2170, 49.4760,
-26.6200

246.5640, 23.7540,
-23.0140

77.4580, 38.7920,
-20.2160

249.9840, 14.1240,
-13.6840

55.5850, 28.4290,
-14.1230

253.4040, 4.4940,

35.4840, 18.7080,

-4.3540

-8.6520

■ 16.5680, 9.9040,
-3.2800

■ 0.0000, 0.0000,
0.0000

■ 199.9520, 85.9300,
-48.5180

■ 199.9520, 85.9300,
-48.5180

■ 195.0960, 94.0920,
-53.2680

■ 205.7370, 76.5300,
-43.3580

■ 211.6360, 66.8090,
-37.8870

■ 216.8340, 57.6840,
-32.2040

■ 222.6190, 48.2840,
-27.0440

■ 228.4040, 38.8840,
-21.8840

■ 234.1890, 29.4840,
-16.7240

■ 240.0880, 19.7630,
-11.2530

■ 245.8730, 10.3630,
-6.0930

■ 251.0710, 1.2380,
-0.4100

Harmonies

Analogous

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



188.3520, 80.1930, -16.1190



199.9520, 85.9300, -48.5180



193.6480, 21.8360, -65.3640

Triad

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



199.9520, 85.9300, -48.5180



174.6460, -150.0550, -50.3990



196.8870, 27.2250, 51.7770

Complementary

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



199.9520, 85.9300, -48.5180



74.0480, -85.9300, 48.5180

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.



203.9660, -10.6870, 22.9850



199.9520, 85.9300, -48.5180



169.9500, -147.8550, -46.2150

Square

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



199.9520, 85.9300, -48.5180



169.9890, -135.5640, -65.2280



159.3840, -142.9050, -36.8010



179.5270, 45.7940, 51.1540

Rectangle

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



199.9520, 85.9300, -48.5180



182.8320, -37.4000, -71.1280



159.3840, -142.9050, -36.8010



203.9310, 23.9250, 45.5010

Sweetspot

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



199.9520, 85.9300, -48.5180



239.5030, 25.7240, -14.6600



96.0140, 122.3140, 63.0660



118.6300, 15.3610, -8.5670



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.



199.9520, 85.9300, -48.5180



197.1670, 95.3300, -53.6780



205.1490, 32.7060, -86.1580



122.3440, 4.7230, -2.9970



146.3220, 70.5690, -39.9510



47.0020, 22.8810, -12.6950

Inverse Universe

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



74.0480, -85.9300, 48.5180



57.8330, -95.3300, 53.6780



68.8510, -32.7060, 86.1580



115.2430, -4.9980, 2.4740



42.6780, -70.5690, 39.9510



13.9980, -22.8810, 12.6950

Previews

White Background



This preview shows how the YIQ color 199.9520, 85.9300, -48.5180 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 199.9520, 85.9300, -48.5180 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 199.9520, 85.9300, -48.5180

Background



This preview shows how black text looks on a background with the YIQ color 199.9520, 85.9300, -48.5180.



This preview shows how white text looks on a background with the YIQ color 199.9520, 85.9300, -48.5180.

-48.5180.

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

199.9520, 85.9300, -48.5180

Protanopia

199.2280, 76.1650, -53.2670

Deuteranopia

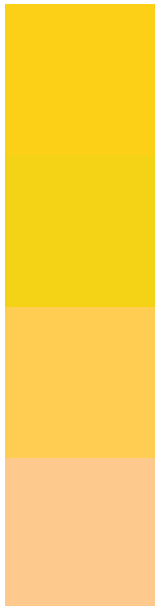
209.3310, 58.3230, -16.2450



Tritanopia

215.7100, 30.7160, 16.0280

Trichromacy



Original Color

199.9520, 85.9300, -48.5180

Protanomaly

199.4350, 80.0160, -51.4720

Deuteranomaly

205.6290, 68.6870, -27.8650

Tritanomaly

210.0070, 50.8480, -7.4240

Monochromacy



Original Color

199.9520, 85.9300, -48.5180

Achromatopsia

200.0000, -0.0000, -0.0000

Achromatomaly

200.0320, 31.3640, -17.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.9520, 85.9300, -48.5180 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(252, 208, 22)` looks like.

```
.text, #text, p{  
    color:rgb(252, 208, 22)  
}
```

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(252, 208, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 208, 22) }
```

Border

The CSS property to change the border of an element to YIQ 199.9520, 85.9300, -48.5180 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(252, 208, 22) }
```


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

```
.border{ border-color:rgb(252, 208, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 208, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 208, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 208, 22);  
box-shadow:4px 4px 4px 4px rgb(252, 208,  
22) }
```

Background

The CSS property to change the background color of an element to YIQ 199.9520, 85.9300, -48.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 208, 22) }
```

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

```
.background{ background-color: rgb(252,  
208, 22) }
```

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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