

Converting Colors

YIQ(189.5360, 98.9050,
-46.8790)

Have a look what the booklet for
YIQ(189.5360, 98.9050, -46.8790)
contains.

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Color

**YIQ(189.5360, 98.9050,
-46.8790)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC100
RGB	255, 193, 0
RGB Percent	100%, 76%, 0%
CMY	0.0000, 0.2432, 0.9994
CMYK	0.00, 0.24, 1.00, 0.00
HSL	45°, 100%, 50%
HSV	45°, 100%, 100%
XYZ	60.3048, 59.3885, 8.2887
YIQ	189.5360, 98.9050, -46.8790

Conversions

Conversions Part 2

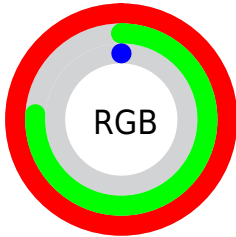
Format	Color
R _Y B	82, 255, 0
Decimal	16761088
CIE Lab	81.50, 9.36, 83.35
CIE LCh	82, 83.873, 83.590
Yxy	59.3885, 0.4712, 0.4640
Android (android.graphics.Color)	4294951168 (0xFFFFC100)
YUV	189.5360, -93.4412, 57.4119
Hunter-Lab	77.0639, 4.8198, 47.5678

Details

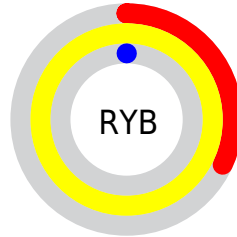
The YIQ color **189.5360, 98.9050, -46.8790** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **65.4640, -98.9050, 46.8790**, and the grayscale version is **190.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **232.0980, 56.2200, -49.7320**, and **139.8870, 76.5280, -32.3040** is the 20% darker color. If you saturate the color by 10%, you get **189.5360, 98.9050, -46.8790**, and if you desaturate by 10%, it is **196.0220, 88.9090, -41.9310**.

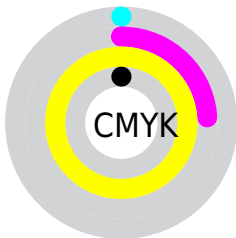
Distribution



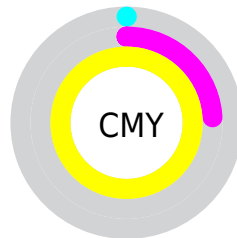
- Red (100%)
- Green (76%)
- Blue (0%)



- Red (32%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 189.5360, 98.9050, -46.8790 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 189.5360, 98.9050, -46.8790 by changing the saturation by 10% instead.

 189.5360, 98.9050,
-46.8790


 189.5360, 98.9050,
-46.8790


 255.0000, -0.0000,
-0.0000


 164.4180, 87.8540,
-39.3300


 232.0980, 56.2200,
-49.7320


 139.8870, 76.5280,
-32.3040


 238.9260, 45.2610,
-43.8510


 115.9430, 64.9270,
-25.8010


 242.2320, 35.9520,
-34.8320

 92.2980, 53.9220,
-19.0860

 245.5380, 26.6430,
-25.8130

 70.1260, 42.9630,
-13.2050

 248.8440, 17.3340,
-16.7940

 48.8400, 32.3250,
-7.6350

 252.2640, 7.7040,

 29.3260, 22.3290,

-7.4640

-2.6870

■ 7.4750, 14.9000,
5.3000

■ 0.0000, 0.0000,
0.0000

■ 189.5360, 98.9050,
-46.8790

■ 196.0220, 88.9090,
-41.9310

■ 202.3940, 79.2340,
-37.2940

■ 209.4670, 68.9630,
-32.8690

■ 215.8390, 59.2880,
-28.2320

■ 222.3250, 49.2920,
-23.2840

■ 228.6970, 39.6170,
-18.6470

■ 235.1830, 29.6210,
-13.6990

■ 242.1420, 19.6710,
-9.5850

■ 248.6280, 9.6750,
-4.6370

Harmonies

Analogous

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



179.1880, 83.9510, -7.1290



189.5360, 98.9050, -46.8790



184.9180, 38.5710, -65.7890

Triad

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



189.5360, 98.9050, -46.8790



169.3630, -147.5800, -45.6920



195.1260, 28.0500, 53.3460

Complementary

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



189.5360, 98.9050, -46.8790



65.4640, -98.9050, 46.8790

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.



190.2450, -33.7020, 16.0740



189.5360, 98.9050, -46.8790



165.8410, -145.9300, -42.5540

Square

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



189.5360, 98.9050, -46.8790



160.4540, -123.8720, -67.8720



156.4490, -141.5300, -34.1860



175.0420, 46.0220, 58.0380

Rectangle

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



189.5360, 98.9050, -46.8790



177.1240, -17.7310, -69.6590



156.4490, -141.5300, -34.1860



200.9740, 22.3660, 46.2220

Sweetspot

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



189.5360, 98.9050, -46.8790



235.1830, 29.6210, -13.6990



83.5410, 131.4360, 73.9640



115.7120, 18.0660, -8.0300



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.



189.5360, 98.9050, -46.8790



206.7940, 43.7110, -92.8730



124.1700, 5.2730, -1.9510



142.2240, 73.9610, -35.3430



47.3120, 24.9440, -11.5360

Inverse Universe

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



65.4640, -98.9050, 46.8790



48.2060, -43.7110, 92.8730



118.2430, -4.9980, 2.4740



49.3630, -74.2360, 34.8200



16.6880, -24.9440, 11.5360

Previews

White Background



This preview shows how the YIQ color 189.5360, 98.9050, -46.8790 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 189.5360, 98.9050, -46.8790 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 189.5360, 98.9050, -46.8790

Background



This preview shows how black text looks on a background with the YIQ color 189.5360, 98.9050, -46.8790.



This preview shows how white text looks on a background with the YIQ color 189.5360, 98.9050, -46.8790.

-46.8790.

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

189.5360, 98.9050, -46.8790

Protanopia

189.2280, 76.1650, -53.2670

Deuteranopia

194.4380, 85.1020, -33.5060



Tritanopia

206.4830, 38.7850, 18.4730

Trichromacy



Original Color

189.5360, 98.9050, -46.8790

Protanomaly

189.0010, 84.2340, -50.8220

Deuteranomaly

192.6140, 90.2380, -38.4820

Tritanomaly

200.1500, 60.7510, -5.1770

Monochromacy



Original Color

189.5360, 98.9050, -46.8790

Achromatopsia

190.0000, -0.0000, -0.0000

Achromatomaly

189.8970, 36.1780, -16.8940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 189.5360, 98.9050, -46.8790 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, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 0)  
}
```

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, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 0) }
```

Border

The CSS property to change the border of an element to YIQ 189.5360, 98.9050, -46.8790 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, 193, 0) }
```

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

```
.border{ border-color:rgb(255, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 189.5360, 98.9050, -46.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 0) }
```

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

```
.background{ background-color: rgb(255,  
193, 0) }
```

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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