

Converting Colors

YIQ(159.0180, 86.7050,
-24.0070)

Have a look what the booklet for
YIQ(159.0180, 86.7050, -24.0070)
contains.

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Color

**YIQ(159.0180, 86.7050,
-24.0070)**

Conversions

Conversions Part 1

Format	Color
Hex	E39716
RGB	227, 151, 22
RGB Percent	89%, 59%, 9%
CMY	0.1097, 0.4079, 0.9133
CMYK	0.00, 0.33, 0.90, 0.11
HSL	38°, 82%, 49%
HSV	38°, 90%, 89%
XYZ	42.8940, 38.5163, 5.9384
YIQ	159.0180, 86.7050, -24.0070

Conversions

Conversions Part 2

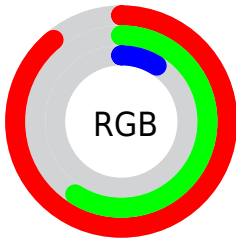
Format	Color
RYB	143, 227, 22
Decimal	14915350
CIELab	68.40, 19.73, 69.67
CIELCh	68, 72.410, 74.188
Yxy	38.5163, 0.4911, 0.4409
Android (android.graphics.Color)	4293105430 (0xFFE39716)
YUV	159.0180, -67.5499, 59.6202
Hunter-Lab	62.0615, 14.7633, 37.7698

Details

The YIQ color **159.0180, 86.7050, -24.0070** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **89.9820, -86.7050, 24.0070**, and the grayscale version is **160.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **206.1560, 68.6410, -27.0310**, and **108.3340, 71.4360, -17.1080** is the 20% darker color. If you saturate the color by 10%, you get **151.8140, 95.9670, -26.6650**, and if you desaturate by 10%, it is **166.3360, 77.1220, -21.0380**.

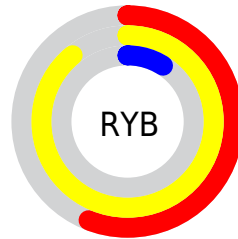
Distribution



Red (89%)

Green (59%)

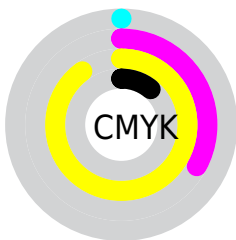
Blue (9%)



Red (56%)

Yellow (89%)

Blue (9%)

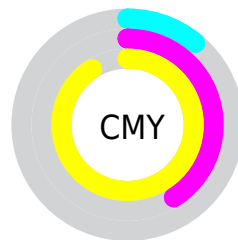


Cyan (0%)

Magenta (33%)

Yellow (90%)

Black (11%)



Cyan (11%)

Magenta (41%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.0180, 86.7050, -24.0070 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 159.0180, 86.7050, -24.0070 by changing the saturation by 10% instead.

159.0180, 86.7050,
-24.0070

159.0180, 86.7050,
-24.0070

255.0000, -0.0000,
-0.0000

131.9790, 82.4410,
-23.8230

206.1560, 68.6410,
-27.0310

108.3340, 71.4360,
-17.1080

225.6700, 52.2740,
-33.2780

85.2760, 60.1560,
-10.9160

241.7760, 37.2360,
-36.0760

63.1040, 49.1970,
-5.0350

244.9680, 28.2480,
-27.3680

41.5190, 37.9630,
0.3230

248.1600, 19.2600,
-18.6600

21.1190, 27.6460,
5.5820

251.4660, 9.9510,

7.8880, 15.1750,

-9.6410

5.8230

254.8860, 0.3210,
-0.3110

■ 0.0000, 0.0000,
0.0000

■ 159.0180, 86.7050,
-24.0070

■ 159.0180, 86.7050,
-24.0070

■ 151.8140, 95.9670,
-26.6650

■ 166.3360, 77.1220,
-21.0380

■ 174.2410, 67.2640,
-18.5920

■ 181.4450, 58.0020,
-15.9340

■ 189.3500, 48.1440,
-13.4880

■ 196.6680, 38.5610,
-10.5190

■ 204.4590, 29.0240,
-8.3840

■ 211.7770, 19.4410,
-5.4150

■ 219.0950, 9.8580,
-2.4460

■ 226.8860, 0.3210,
-0.3110

Harmonies

Analogous

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



157.3380, 93.1170, 13.9890



159.0180, 86.7050, -24.0070



152.4950, 53.4240, -54.1280

Triad

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



159.0180, 86.7050, -24.0070



138.0970, -117.4120, -41.7640



170.8060, 5.5840, 53.0080

Complementary

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



159.0180, 86.7050, -24.0070



89.9820, -86.7050, 24.0070

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.



151.3510, -75.1030, 11.9770



159.0180, 86.7050, -24.0070



142.9480, -135.2050, -22.1570

Square

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



159.0180, 86.7050, -24.0070



129.1710, -95.0340, -61.8660



137.0780, -132.4550, -16.9270



162.3100, 57.0710, 61.5430

Rectangle

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



159.0180, 86.7050, -24.0070



149.9150, 8.2630, -56.1610



137.0780, -132.4550, -16.9270



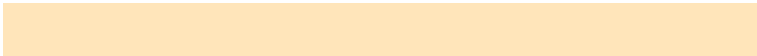
167.7060, -15.0460, 41.4180

Sweetspot

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



159.0180, 86.7050, -24.0070



231.8720, 29.2990, -7.8610



92.3010, 96.8210, 68.0290



113.9340, 17.5610, -4.3830



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.



159.0180, 86.7050, -24.0070



170.1650, 107.9800, -29.6200



196.4540, 51.5010, -68.8430



110.6970, 5.2270, -1.1170



119.2650, 75.8840, -20.6280



34.0330, 21.5960, -5.9240

Inverse Universe

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



89.9820, -86.7050, 24.0070



84.8350, -107.9800, 29.6200



52.5460, -51.5010, 68.8430



107.3030, -5.2270, 1.1170



59.1480, -75.6090, 21.1510



16.9670, -21.5960, 5.9240

Previews

White Background



This preview shows how the YIQ color 159.0180, 86.7050, -24.0070 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 159.0180, 86.7050, -24.0070 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 159.0180, 86.7050, -24.0070

Background



This preview shows how black text looks on a background with the YIQ color 159.0180, 86.7050, -24.0070.



This preview shows how white text looks on a background with the YIQ color 159.0180, 86.7050, -24.0070.

-24.0070.

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

159.0180, 86.7050, -24.0070

Protanopia

157.9060, 57.1810, -39.6110

Deuteranopia

157.9040, 77.8580, -34.3820



Tritanopia

169.0610, 51.8970, 23.1370

Trichromacy



Original Color

159.0180, 86.7050, -24.0070

Protanomaly

158.3420, 67.8170, -34.1270

Deuteranomaly

158.2790, 81.2960, -30.6080

Tritanomaly

165.4530, 64.6920, 6.0040

Monochromacy



Original Color

159.0180, 86.7050, -24.0070

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

159.0140, 31.7750, -8.6810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.0180, 86.7050, -24.0070 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(227, 151, 22)` looks like.

```
.text, #text, p{  
    color:rgb(227, 151, 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(227, 151, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 151, 22) }
```

Border

The CSS property to change the border of an element to YIQ 159.0180, 86.7050, -24.0070 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(227, 151, 22) }
```


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

```
.border{ border-color:rgb(227, 151, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 151, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 151, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 151, 22);  
box-shadow:4px 4px 4px 4px rgb(227, 151,  
22) }
```

Background

The CSS property to change the background color of an element to YIQ 159.0180, 86.7050, -24.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 151, 22) }
```

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

```
.background{ background-color: rgb(227,  
151, 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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