

Converting Colors

YIQ(178.0580, 81.2010,
-12.3590)

Have a look what the booklet for
YIQ(178.0580, 81.2010, -12.3590)
contains.

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Color

**YIQ(178.0580, 81.2010,
-12.3590)**

Conversions

Conversions Part 1

Format	Color
Hex	F8A443
RGB	248, 164, 67
RGB Percent	97%, 64%, 26%
CMY	0.0273, 0.3570, 0.7368
CMYK	0.00, 0.34, 0.73, 0.03
HSL	32°, 93%, 62%
HSV	32°, 73%, 97%
XYZ	53.0093, 46.9076, 11.5863
YIQ	178.0580, 81.2010, -12.3590

Conversions

Conversions Part 2

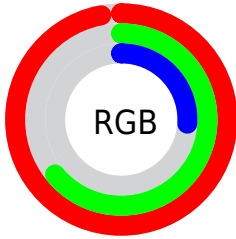
Format	Color
R _Y B	224, 248, 67
Decimal	16294979
CIE Lab	74.13, 23.07, 60.62
CIE LCh	74, 64.866, 69.163
Yxy	46.9076, 0.4754, 0.4207
Android (android.graphics.Color)	4294485059 (0xFFFF8A443)
YUV	178.0580, -54.7516, 61.3391
Hunter-Lab	68.4891, 18.2996, 37.9123

Details

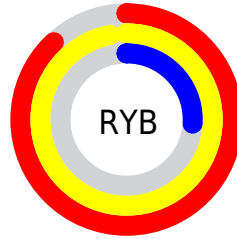
The YIQ color **178.0580, 81.2010, -12.3590** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **136.9420, -81.2010, 12.3590**, and the grayscale version is **179.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **218.4780, 53.2350, -23.1570**, and **121.7000, 79.0930, -18.2110** is the 20% darker color. If you saturate the color by 10%, you get **168.1640, 92.5260, -13.8580**, and if you desaturate by 10%, it is **187.3650, 70.1510, -10.3370**.

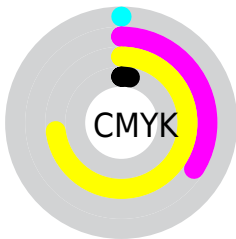
Distribution



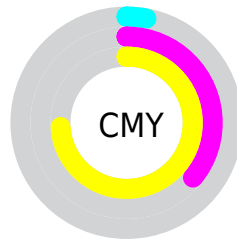
- Red (97%)
- Green (64%)
- Blue (26%)



- Red (88%)
- Yellow (97%)
- Blue (26%)



- Cyan (0%)
- Magenta (34%)
- Yellow (73%)
- Black (3%)



- Cyan (3%)
- Magenta (36%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 178.0580, 81.2010, -12.3590 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 178.0580, 81.2010, -12.3590 by changing the saturation by 10% instead.

178.0580, 81.2010,
-12.3590

178.0580, 81.2010,
-12.3590

255.0000, -0.0000,
-0.0000

150.4490, 78.5420,
-13.7300

218.4780, 53.2350,
-23.1570

121.9990, 79.6890,
-17.9990

238.5790, 36.5930,
-29.9270

97.7130, 69.0510,
-12.4290

245.8800, 25.6800,
-24.8800

75.5410, 58.0920,
-6.5480

249.0720, 16.6920,
-16.1720

53.3690, 47.1330,
-0.6670

252.3780, 7.3830,
-7.1530

32.0830, 36.4950,
4.9030

13.1560, 26.2240,

9.3280

■ 0.0000, 0.0000,
0.0000

■ 178.0580, 81.2010,
-12.3590

■ 178.0580, 81.2010,
-12.3590

■ 168.1640, 92.5260,
-13.8580

■ 187.3650, 70.1510,
-10.3370

■ 158.8570,
103.5760, -15.8800

■ 197.2590, 58.8260,
-8.8380

■ 152.2230,
111.2330, -16.9830

■ 207.1530, 47.5010,
-7.3390

■ 216.3460, 36.7720,
-5.6280

■ 226.2400, 25.4470,
-4.1290

■ 235.5470, 14.3970,
-2.1070

■ 245.4410, 3.0720,
-0.6080

■ 252.9070, -4.1720,
-1.4840

Harmonies

Analogous

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



171.5520, 77.8950, 14.5270



178.0580, 81.2010, -12.3590



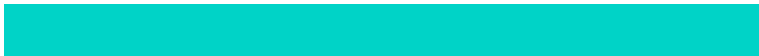
173.6540, 49.2030, -38.1970

Triad

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



178.0580, 81.2010, -12.3590



146.5430, -121.9040, -48.4640



184.8940, -1.0160, 40.4560

Complementary

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



178.0580, 81.2010, -12.3590



136.9420, -81.2010, 12.3590

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.



166.0920, -73.1760, 4.5840



178.0580, 81.2010, -12.3590



151.7530, -139.3300, -30.0020

Square

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



178.0580, 81.2010, -12.3590



137.8280, -101.4980, -65.8660



146.4700, -136.8550, -25.2950



181.8410, 42.0340, 53.2180

Rectangle

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



178.0580, 81.2010, -12.3590



169.6760, 16.6060, -47.6660



146.4700, -136.8550, -25.2950



180.9190, -20.5000, 30.1240

Sweetspot

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



178.0580, 81.2010, -12.3590



233.3540, 25.1260, -3.8180



130.8090, 80.5910, 64.8070



114.7320, 15.3140, -2.2060



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.



178.0580, 81.2010, -12.3590



168.4160, 100.5040, -15.2720



225.5720, 54.5250, -57.5630



119.9960, 5.8230, -0.9050



115.7980, 84.8690, -12.7550



37.6100, 27.2810, -4.3270

Inverse Universe

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



136.9420, -81.2010, 12.3590



117.5840, -100.5040, 15.2720



89.4280, -54.5250, 57.5630



117.0040, -5.8230, 0.9050



73.2020, -84.8690, 12.7550



23.3900, -27.2810, 4.3270

Previews

White Background



This preview shows how the YIQ color 178.0580, 81.2010, -12.3590 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 178.0580, 81.2010, -12.3590 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 178.0580, 81.2010, -12.3590

Background



This preview shows how black text looks on a background with the YIQ color 178.0580, 81.2010, -12.3590.



This preview shows how white text looks on a background with the YIQ color 178.0580, 81.2010, -12.3590.

-12.3590.

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

178.0580, 81.2010, -12.3590

Protanopia

176.6250, 48.1470, -30.0690

Deuteranopia

177.6060, 67.4940, -22.7620



Tritanopia

185.1540, 56.0690, 24.6210

Trichromacy



Original Color

178.0580, 81.2010, -12.3590

Protanomaly

177.0720, 60.2500, -23.6380

Deuteranomaly

177.4650, 72.4450, -18.8750

Tritanomaly

182.8000, 65.3330, 10.9090

Monochromacy



Original Color

178.0580, 81.2010, -12.3590

Achromatopsia

178.0000, -0.0000, -0.0000

Achromatomaly

177.9800, 29.1150, -4.5250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 178.0580, 81.2010, -12.3590 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(248, 164, 67)` looks like.

```
.text, #text, p{  
    color:rgb(248, 164, 67)  
}
```

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(248, 164, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 164, 67) }
```

Border

The CSS property to change the border of an element to YIQ 178.0580, 81.2010, -12.3590 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(248, 164, 67) }
```


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

```
.border{ border-color:rgb(248, 164, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 164, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 164, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 164, 67);  
box-shadow:4px 4px 4px 4px rgb(248, 164,  
67) }
```

Background

The CSS property to change the background color of an element to YIQ 178.0580, 81.2010, -12.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 164, 67) }
```

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

```
.background{ background-color: rgb(248,  
164, 67) }
```

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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