

Converting Colors

YIQ(112.9800, -86.6460,
-48.6780)

Have a look what the booklet for
YIQ(112.9800, -86.6460, -48.6780)
contains.

YIQ(112.9800, -86.6460, -48.6780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(112.9800, -86.6460,
-48.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	00A87E
RGB	0, 168, 126
RGB Percent	0%, 66%, 49%
CMY	0.9999, 0.3409, 0.5062
CMYK	1.00, 0.00, 0.25, 0.34
HSL	165°, 100%, 33%
HSV	165°, 100%, 66%
XYZ	17.7764, 29.5356, 24.4758
YIQ	112.9800, -86.6460, -48.6780

Conversions

Conversions Part 2

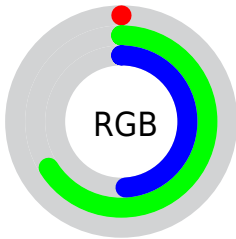
Format	Color
RYB	0, 96, 168
Decimal	43134
CIELab	61.25, -47.04, 11.59
CIELCh	61, 48.448, 166.164
Yxy	29.5356, 0.2476, 0.4114
Android (android.graphics.Color)	4278233214 (0xFF00A87E)
YUV	112.9800, 6.4189, -99.0835
Hunter-Lab	54.3467, -36.7206, 11.3405

Details

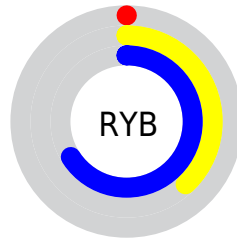
The YIQ color **112.9800, -86.6460, -48.6780** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **55.0200, 86.6460, 48.6780**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **179.4020, -64.2270, -41.9790**, and **76.2830, -56.3420, -36.1980** is the 20% darker color. If you saturate the color by 10%, you get **112.9800, -86.6460, -48.6780**, and if you desaturate by 10%, it is **118.5190, -77.7980, -43.8300**.

Distribution



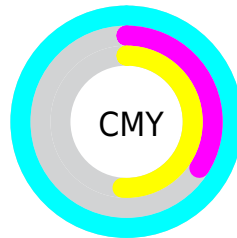
- Red (0%)
- Green (66%)
- Blue (49%)



- Red (0%)
- Yellow (38%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 112.9800, -86.6460, -48.6780 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 112.9800, -86.6460, -48.6780 by changing the saturation by 10% instead.


 112.9800,
-86.6460, -48.6780


 112.9800,
-86.6460, -48.6780


 255.0000, -0.0000,
-0.0000


 94.2810, -71.1960,
-42.3320


 179.4020,
-64.2270, -41.9790


 76.2830, -56.3420,
-36.1980


 208.4730,
-62.9890, -42.3890


 58.3990, -41.8090,
-29.7530


 221.8090,
-54.6470, -28.3670

 41.9170, -28.4680,
-23.7320

 233.1730,
-43.5080, -15.4760

 26.3810, -15.0350,
-19.3790

 242.1430,
-25.6280, -9.1160

 5.2830, -2.4750,
-4.7070

 251.1130, -7.7480,

 0.0000, 0.0000,

-2.7560

0.0000

■ 112.9800,
-86.6460, -48.6780

■ 118.5190,
-77.7980, -43.8300

■ 124.0580,
-68.9500, -38.9820

■ 129.4120,
-61.0190, -34.0350

■ 134.9510,
-52.1710, -29.1870

■ 140.4900,
-43.3230, -24.3390

■ 146.0290,
-34.4750, -19.4910

■ 151.5680,
-25.6270, -14.6430

■ 156.9220,
-17.6960, -9.6960

■ 162.4610, -8.8480,
-4.8480

Harmonies

Analogous

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



135.6840, -12.2350, -37.0910



112.9800, -86.6460, -48.6780



118.5830, -101.0450, -35.5170

Triad

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



112.9800, -86.6460, -48.6780



145.7310, -43.6980, 21.0220



147.1160, 67.2590, 9.0430

Complementary

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



112.9800, -86.6460, -48.6780



55.0200, 86.6460, 48.6780

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.



148.2800, 64.6420, 28.9460



112.9800, -86.6460, -48.6780



152.0810, 5.5870, 36.4270

Square

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



112.9800, -86.6460, -48.6780



119.0800, -117.6010, -10.7930



151.1810, 43.4120, 39.2520



145.2860, 54.1960, -13.0360

Rectangle

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



112.9800, -86.6460, -48.6780



121.0740, -109.4370, -26.5970



151.1810, 43.4120, 39.2520



147.3430, 68.3580, 16.6620

Sweetspot

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



112.9800, -86.6460, -48.6780



197.7410, -33.6040, -18.7560



112.0710, -19.3800, -78.3240



96.9000, -20.6300, -11.5900



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



112.9800, -86.6460, -48.6780



147.2490, -112.8690, -63.5330



94.8750, -89.4030, -15.2190



81.3800, -4.1260, -2.3180



99.5300, -76.3310, -42.8830



13.4500, -10.3150, -5.7950

Inverse Universe

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



55.0200, 86.6460, 48.6780



71.7510, 112.8690, 63.5330



73.1250, 89.4030, 15.2190



78.6200, 4.1260, 2.3180



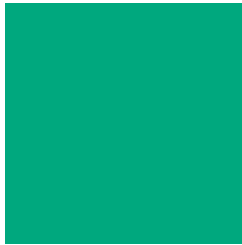
48.4700, 76.3310, 42.8830



6.5500, 10.3150, 5.7950

Previews

White Background



This preview shows how the YIQ color 112.9800, -86.6460, -48.6780 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 112.9800, -86.6460, -48.6780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

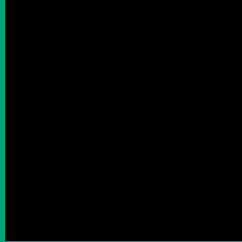
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 112.9800, -86.6460, -48.6780 Background



This preview shows how black text looks on a background with the YIQ color 112.9800, -86.6460, -48.6780.



This preview shows how white text looks on a background with the YIQ color 112.9800, -86.6460, -48.6780.

-48.6780.

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

112.9800, -86.6460, -48.6780

Protanopia

146.1570, 15.3150, -7.7330

Deuteranopia

148.3350, 18.1100, 2.1900



Tritanopia

131.1900, -68.5410, -18.8530

Trichromacy



Original Color

112.9800, -86.6460, -48.6780



Protanomaly

134.2660, -22.1410, -22.7570



Deuteranomaly

135.1510, -20.0790, -16.0710



Tritanomaly

124.3320, -75.2330, -29.7370

Monochromacy



Original Color

112.9800, -86.6460, -48.6780



Achromatopsia

113.0000, -0.0000, 0.0000



Achromatomaly

113.0510, -31.5410, -17.5970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.9800, -86.6460, -48.6780 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(0, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 126)  
}
```

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(0, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 126) }
```

Border

The CSS property to change the border of an element to YIQ 112.9800, -86.6460, -48.6780 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(0, 168, 126) }
```


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

```
.border{ border-color:rgb(0, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
126) }
```

Background

The CSS property to change the background color of an element to YIQ 112.9800, -86.6460, -48.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 126) }
```

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

```
.background{ background-color: rgb(0, 168,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor