

Converting Colors

YIQ(180.3180, 68.3650,
-22.0270)

Have a look what the booklet for
YIQ(180.3180, 68.3650, -22.0270)
contains.

YIQ(180.3180, 68.3650, -22.0270)	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(180.3180, 68.3650,
-22.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	E8B043
RGB	232, 176, 67
RGB Percent	91%, 69%, 26%
CMY	0.0901, 0.3099, 0.7369
CMYK	0.00, 0.24, 0.71, 0.09
HSL	40°, 78%, 59%
HSV	40°, 71%, 91%
XYZ	49.8206, 48.6063, 12.0806
YIQ	180.3180, 68.3650, -22.0270

Conversions

Conversions Part 2

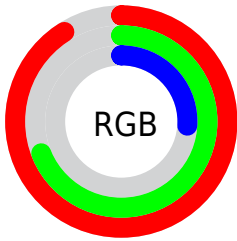
Format	Color
RYB	152, 232, 67
Decimal	15249475
CIELab	75.21, 10.02, 61.15
CIElCh	75, 61.963, 80.698
Yxy	48.6063, 0.4508, 0.4398
Android (android.graphics.Color)	4293439555 (0xFFE8B043)
YUV	180.3180, -55.8658, 45.3251
Hunter-Lab	69.7182, 5.5493, 38.5291

Details

The YIQ color **180.3180, 68.3650, -22.0270** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **118.6820, -68.3650, 22.0270**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **225.6360, 49.6140, -29.1220**, and **124.2160, 68.4120, -28.3880** is the 20% darker color. If you saturate the color by 10%, you get **173.0000, 77.9480, -24.9960**, and if you desaturate by 10%, it is **187.6360, 58.7820, -19.0580**.

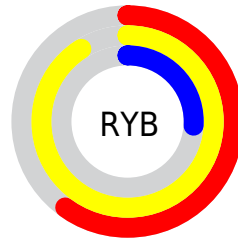
Distribution



Red (91%)

Green (69%)

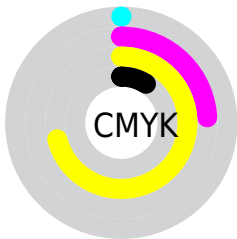
Blue (26%)



Red (60%)

Yellow (91%)

Blue (26%)

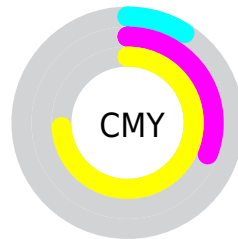


Cyan (0%)

Magenta (24%)

Yellow (71%)

Black (9%)



Cyan (9%)

Magenta (31%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.3180, 68.3650, -22.0270 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 180.3180, 68.3650, -22.0270 by changing the saturation by 10% instead.

180.3180, 68.3650,
-22.0270

180.3180, 68.3650,
-22.0270

255.0000, -0.0000,
-0.0000

152.3070, 66.8980,
-22.9740

225.6360, 49.6140,
-29.1220

124.2160, 68.4120,
-28.3880

242.8020, 34.3470,
-33.2770

100.8700, 58.0030,
-21.4610

245.9940, 25.3590,
-24.5690

78.4100, 47.9150,
-14.8450

249.1860, 16.3710,
-15.8610

56.8250, 36.6810,
-9.4870

252.4920, 7.0620,
-6.8420

36.4250, 26.3640,
-4.2280

16.3350, 18.1100,

2.1900

■ 0.0000, 0.0000,
0.0000

■ 180.3180, 68.3650,
-22.0270

■ 180.3180, 68.3650,
-22.0270

■ 173.0000, 77.9480,
-24.9960

■ 187.6360, 58.7820,
-19.0580

■ 165.6820, 87.5310,
-27.9650

■ 194.9540, 49.1990,
-16.0890

■ 159.1790, 96.1970,
-30.8350

■ 202.3860, 39.2950,
-12.8090

■ 209.7040, 29.7120,
-9.8400

■ 216.4350, 20.4040,
-6.3480

■ 223.7530, 10.8210,
-3.3790

■ 231.1850, 0.9170,
-0.0990

■ 238.5030, -8.6660,
2.8700

■ 243.4270,
-11.5080, -0.6920

Harmonies

Analogous

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



177.8150, 78.1720, 3.9960



180.3180, 68.3650, -22.0270



175.1940, 29.9470, -41.6450

Triad

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



180.3180, 68.3650, -22.0270



150.5670, -130.4790, -41.7350



190.6300, 17.6430, 49.2190

Complementary

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



180.3180, 68.3650, -22.0270



118.6820, -68.3650, 22.0270

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.



179.9120, -36.9580, 20.0180



180.3180, 68.3650, -22.0270



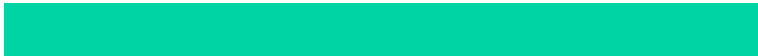
151.1660, -139.0550, -29.4790

Square

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



180.3180, 68.3650, -22.0270



143.2540, -111.2650, -59.5610



144.7090, -136.0300, -23.7260



179.4470, 48.7750, 46.6870

Rectangle

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



180.3180, 68.3650, -22.0270



170.2420, -5.5390, -48.3150



144.7090, -136.0300, -23.7260



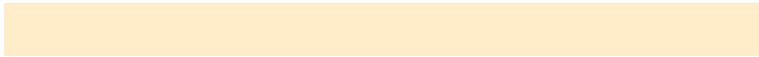
188.4490, 1.7350, 40.1590

Sweetspot

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



180.3180, 68.3650, -22.0270



238.2780, 22.2840, -7.3800



122.9470, 79.7220, 53.0180



117.8950, 13.2970, -4.1990



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.



180.3180, 68.3650, -22.0270



186.8240, 90.0070, -28.7850



205.7150, 38.0650, -56.6150



111.2840, 4.9520, -1.6400



122.7870, 74.2340, -23.7660



35.2070, 21.0460, -6.9700

Inverse Universe

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



118.6820, -68.3650, 22.0270



106.1760, -90.0070, 28.7850



93.2850, -38.0650, 56.6150



106.7160, -4.9520, 1.6400



56.2130, -74.2340, 23.7660



15.7930, -21.0460, 6.9700

Previews

White Background



This preview shows how the YIQ color 180.3180, 68.3650, -22.0270 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 180.3180, 68.3650, -22.0270 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 180.3180, 68.3650, -22.0270

Background



This preview shows how black text looks on a background with the YIQ color 180.3180, 68.3650, -22.0270.



This preview shows how white text looks on a background with the YIQ color 180.3180, 68.3650,

-22.0270.

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

180.3180, 68.3650, -22.0270

Protanopia

179.0550, 49.7520, -31.6240

Deuteranopia

180.0190, 67.7690, -22.2390



Tritanopia

188.7930, 40.8480, 19.6320

Trichromacy



Original Color

180.3180, 68.3650, -22.0270

Protanomaly

179.2840, 56.5370, -27.9350

Deuteranomaly

180.0190, 67.7690, -22.2390

Tritanomaly

185.6840, 50.8000, 4.4640

Monochromacy



Original Color

180.3180, 68.3650, -22.0270

Achromatopsia

180.0000, -0.0000, -0.0000

Achromatomaly

180.4200, 24.7600, -8.2000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.3180, 68.3650, -22.0270 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(232, 176, 67)` looks like.

```
.text, #text, p{  
    color:rgb(232, 176, 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(232, 176, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 67) }
```

Border

The CSS property to change the border of an element to YIQ 180.3180, 68.3650, -22.0270 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(232, 176, 67) }
```


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

```
.border{ border-color:rgb(232, 176, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 176, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 67);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
67) }
```

Background

The CSS property to change the background color of an element to YIQ 180.3180, 68.3650, -22.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 67) }
```

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

```
.background{ background-color: rgb(232,  
176, 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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