

Converting Colors

YIQ(38.7840, -8.8000, -16.7360)

Have a look what the booklet for
YIQ(38.7840, -8.8000, -16.7360)
contains.

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Color

**YIQ(38.7840, -8.8000,
-16.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	143414
RGB	20, 52, 20
RGB Percent	8%, 20%, 8%
CMY	0.9217, 0.7960, 0.9216
CMYK	0.62, 0.00, 0.62, 0.80
HSL	120°, 45%, 14%
HSV	120°, 62%, 20%
XYZ	1.6428, 2.6561, 1.0878
YIQ	38.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

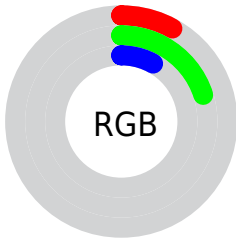
Format	Color
R_{YB}	20, 52, 52
Decimal	1324052
CIE Lab	18.61, -19.91, 16.60
CIE LCh	19, 25.918, 140.178
Yxy	2.6561, 0.3050, 0.4931
Android (android.graphics.Color)	4279514132 (0xFF143414)
YUV	38.7840, -9.2605, -16.4736
Hunter-Lab	16.2977, -10.5279, 7.4510

Details

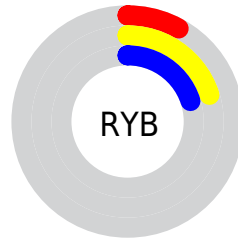
The YIQ color **38.7840, -8.8000, -16.7360** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **33.2160, 8.8000, 16.7360**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.0290, -8.1120, -18.1920**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.7190, -10.1750, -19.3510**, and if you desaturate by 10%, it is **40.8490, -7.4250, -14.1210**.

Distribution



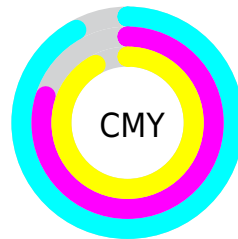
- Red (8%)
- Green (20%)
- Blue (8%)



- Red (8%)
- Yellow (20%)
- Blue (20%)



- Cyan (62%)
- Magenta (0%)
- Yellow (62%)
- Black (80%)



- Cyan (92%)
- Magenta (80%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.7840, -8.8000, -16.7360 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 38.7840, -8.8000, -16.7360 by changing the saturation by 10% instead.

■ 38.7840, -8.8000,
-16.7360

■ 38.7840, -8.8000,
-16.7360

■ 253.1910, 0.7800,
-3.1240

■ 18.1970, -8.5250,
-16.2130

■ 85.0290, -8.1120,
-18.1920

■ 0.0000, 0.0000,
0.0000

■ 109.6160, -8.3870,
-18.7150

■ 135.0890, -8.3410,
-19.5490

■ 161.6760, -8.6160,
-20.0720

■ 188.5620, -8.2950,
-20.3830

■ 216.1490, -8.5700,

-20.9060

■ 241.2140, -7.1950,
-18.2910

■ 38.7840, -8.8000,
-16.7360

■ 38.7840, -8.8000,
-16.7360

■ 36.7190, -10.1750,
-19.3510

■ 40.8490, -7.4250,
-14.1210

■ 34.6540, -11.5500,
-21.9660

■ 42.9140, -6.0500,
-11.5060

■ 32.1760, -13.2000,
-25.1040

■ 45.3920, -4.4000,
-8.3680

■ 30.5240, -14.3000,
-27.1960

■ 47.4570, -3.0250,
-5.7530

■ 49.5220, -1.6500,
-3.1380

■ 51.5870, -0.2750,
-0.5230

■ 53.6520, 1.1000,
2.0920

■ 56.1300, 2.7500,
5.2300

■ 58.1950, 4.1250,
7.8450

Harmonies

Analogous

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



41.6030, 10.8230, -14.4330



38.7840, -8.8000, -16.7360



36.0300, -27.0480, -16.4240

Triad

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



38.7840, -8.8000, -16.7360



38.1110, -39.7970, -0.1250



44.4060, 28.5160, 11.8440

Complementary

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



38.7840, -8.8000, -16.7360



33.2160, 8.8000, 16.7360

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.



45.6750, 20.6290, 17.1170



38.7840, -8.8000, -16.7360



44.6410, -17.5620, 9.9100

Square

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



38.7840, -8.8000, -16.7360



39.5470, -38.3290, -4.7050



47.0630, 4.8570, 16.6090



44.3100, 28.4260, 2.4580

Rectangle

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



38.7840, -8.8000, -16.7360



37.5120, -31.2210, -12.3810



47.0630, 4.8570, 16.6090



44.6170, 26.5440, 14.5440

Sweetspot

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



38.7840, -8.8000, -16.7360



63.6310, -3.5750, -6.7990



48.3520, 10.2720, -9.9520



32.6960, -2.2000, -4.1840



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



38.7840, -8.8000, -16.7360



47.9370, -14.0250, -26.6730



40.6080, -13.9360, -11.7600



24.7610, -0.8250, -1.5690



52.2430, -24.4750, -46.5470



127.3790, -59.6750, -113.4910

Inverse Universe

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



33.2160, 8.8000, 16.7360



39.0630, 14.0250, 26.6730



31.3920, 13.9360, 11.7600



24.1250, 1.1460, 1.2580



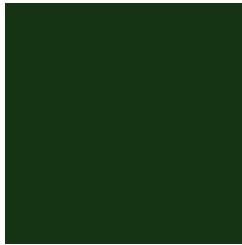
36.7570, 24.4750, 46.5470



89.6210, 59.6750, 113.4910

Previews

White Background



This preview shows how the YIQ color 38.7840, -8.8000, -16.7360 looks on a white background.

Color Contrast Check

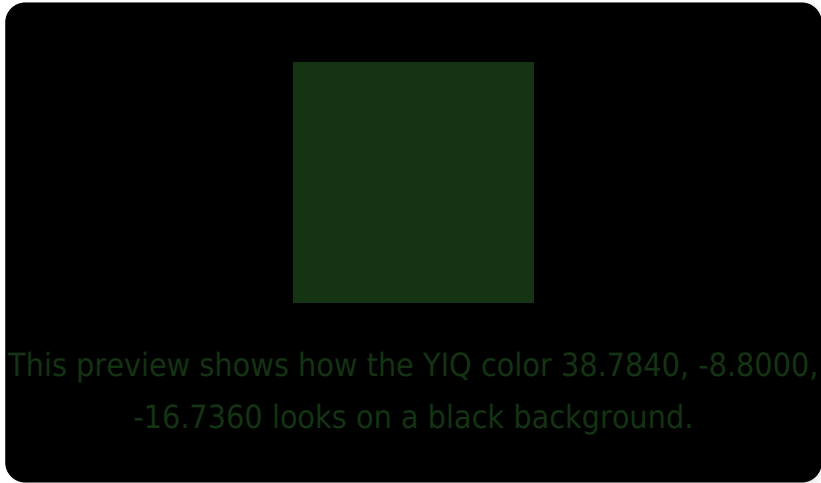
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

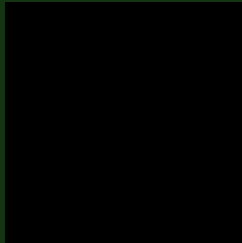
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.7840, -8.8000, -16.7360

Background



This preview shows how black text looks on a background with the YIQ color 38.7840, -8.8000, -16.7360.



This preview shows how white text looks on a background with the YIQ color 38.7840, -8.8000, -16.7360.

-16.7360.

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

38.7840, -8.8000, -16.7360

Protanopia

43.7160, 12.2430, -7.1250

Deuteranopia

44.6070, 14.1680, -3.4640



Tritanopia

43.1770, -13.8000, -3.2080

Trichromacy



Original Color

38.7840, -8.8000, -16.7360

Protanomaly

42.3020, 4.5410, -10.7150

Deuteranomaly

42.3670, 5.9160, -8.1000

Tritanomaly

41.4990, -12.0110, -8.0990

Monochromacy



Original Color

38.7840, -8.8000, -16.7360

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.0440, -3.3000, -6.2760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.7840, -8.8000, -16.7360 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(20, 52, 20)` looks like.

```
.text, #text, p{  
    color:rgb(20, 52, 20)  
}
```

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(20, 52, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 52, 20) }
```

Border

The CSS property to change the border of an element to YIQ 38.7840, -8.8000, -16.7360 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(20, 52, 20) }
```


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

```
.border{ border-color:rgb(20, 52, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 52, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 52, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 52, 20);  
box-shadow:4px 4px 4px 4px rgb(20, 52, 20)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.7840, -8.8000, -16.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 52, 20) }
```

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

```
.background{ background-color: rgb(20, 52,  
20) }
```

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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