

# Converting Colors

YIQ(48.3280, -25.8520,  
-38.1080)

Have a look what the booklet for  
YIQ(48.3280, -25.8520, -38.1080)  
contains.

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# Color

**YIQ(48.3280, -25.8520,  
-38.1080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00500C
RGB	0, 80, 12
RGB Percent	0%, 31%, 5%
CMY	1.0000, 0.6861, 0.9530
CMYK	1.00, 0.00, 0.85, 0.69
HSL	129°, 100%, 16%
HSV	129°, 100%, 31%
XYZ	2.9374, 5.7687, 1.3061
YIQ	48.3280, -25.8520, -38.1080

# Conversions

## Conversions Part 2

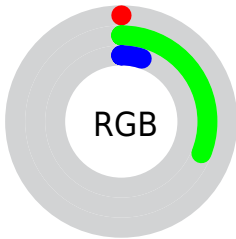
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 70, 80</a>
Decimal	<a href="#">20492</a>
CIELab	<a href="#">28.82, -36.29, 31.50</a>
CIELCh	<a href="#">29, 48.050, 139.044</a>
Yxy	<a href="#">5.7687, 0.2934, 0.5762</a>
Android (android.graphics.Color)	<a href="#">4278210572 (0xFF00500C)</a>
YUV	<a href="#">48.3280, -17.9097, -42.3837</a>
Hunter-Lab	<a href="#">24.0182, -20.2015, 13.5886</a>

# Details

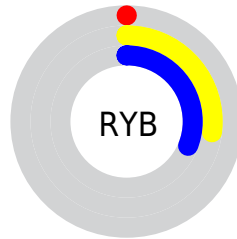
The YIQ color **48.3280, -25.8520, -38.1080** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **31.6720, 25.8520, 38.1080**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.2860, -16.8660, -35.7620**, and **21.1320, -9.9000, -18.8280** is the 20% darker color. If you saturate the color by 10%, you get **48.3280, -25.8520, -38.1080**, and if you desaturate by 10%, it is **51.5180, -23.3310, -34.2350**.

# Distribution



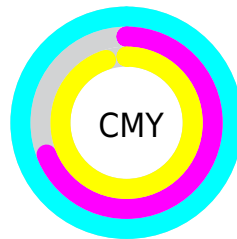
- Red (0%)
- Green (31%)
- Blue (5%)



- Red (0%)
- Yellow (27%)
- Blue (31%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (69%)



- Cyan (100%)
- Magenta (69%)
- Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 48.3280, -25.8520, -38.1080 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 48.3280, -25.8520, -38.1080 by changing the saturation by 10% instead.



■ 48.3280, -25.8520,  
-38.1080

■ 48.3280, -25.8520,  
-38.1080

■ 253.8600, 3.2100,  
-3.1100

■ 32.8720, -15.4000,  
-29.2880

■ 102.2860,  
-16.8660, -35.7620

■ 21.1320, -9.9000,  
-18.8280

■ 128.6450,  
-16.4990, -36.9070

■ 0.0000, 0.0000,  
0.0000

■ 155.4170,  
-15.8570, -37.5290


■ 182.8900,  
-15.8110, -38.3630


■ 210.3630,  
-15.7650, -39.1970


■ 230.7320,


-12.1900, -32.3980


 242.5950, -3.8940,  
-17.5420


 48.3280, -25.8520,  
-38.1080

 51.5180, -23.3310,  
-34.2350

 54.7080, -20.8100,  
-30.3620

 57.7840, -17.9680,  
-26.8000

 60.9740, -15.4470,  
-22.9270

 64.1640, -12.9260,  
-19.0540

■ 67.3540, -10.4050,  
-15.1810

■ 70.5440, -7.8840,  
-11.3080

■ 73.6200, -5.0420,  
-7.7460

■ 76.8100, -2.5210,  
-3.8730

# Harmonies

## Analogous

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



61.3890, 16.8770, -25.0350



48.3280, -25.8520, -38.1080



54.7630, -39.8380, -26.9260

# Triad

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



48.3280, -25.8520, -38.1080



60.6860, -66.1610, 4.1030



59.3870, 57.0310, 29.2150

# Complementary

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



48.3280, -25.8520, -38.1080



31.6720, 25.8520, 38.1080

# 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.



61.8110, 41.5780, 39.4500



48.3280, -25.8520, -38.1080



61.1880, -46.7230, 15.2690

# Square

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



48.3280, -25.8520, -38.1080



62.2700, -62.3540, -4.3220



69.0550, 8.4760, 33.6280



62.8480, 56.2100, 5.5380



# Rectangle

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



48.3280, -25.8520, -38.1080



58.3140, -48.4590, -19.3630



69.0550, 8.4760, 33.6280



58.4070, 54.2790, 35.0390

# Sweetspot

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



48.3280, -25.8520, -38.1080



92.3540, -10.4050, -15.1810



67.5910, 19.1240, -27.2120



46.0820, -6.4630, -9.5270



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



48.3280, -25.8520, -38.1080



63.4590, -34.0110, -49.9390



52.7740, -38.3710, -25.9790



39.3480, -1.1000, -2.0920



140.1740, -75.0350, -110.4510

# Inverse Universe

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



31.6720, 25.8520, 38.1080



41.5410, 34.0110, 49.9390



27.2260, 38.3710, 25.9790



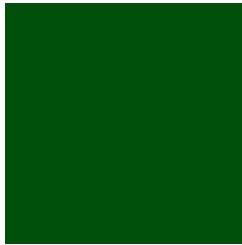
38.5380, 1.4210, 1.7810



91.8260, 75.0350, 110.4510

# Previews

## White Background



This preview shows how the YIQ color 48.3280, -25.8520, -38.1080 looks on a white background.

## Color Contrast Check

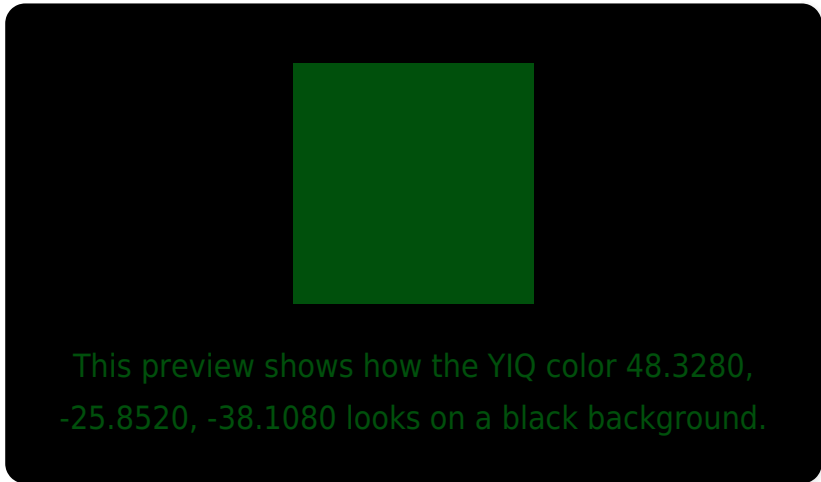
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3280, -25.8520, -38.1080

## Background



This preview shows how black text looks on a background with the YIQ color 48.3280, -25.8520, -38.1080.



This preview shows how white text looks on a background with the YIQ color 48.3280, -25.8520,



-38.1080.

# 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

48.3280, -25.8520, -38.1080

### Protanopia

64.5520, 24.0280, -16.9640

### Deuteranopia

66.2630, 26.6400, -9.2320



## Tritanopia

62.5390, -26.6830, -6.5150

# Trichromacy



## Original Color

48.3280, -25.8520, -38.1080

## Protanomaly

58.6420, 5.9190, -24.6810

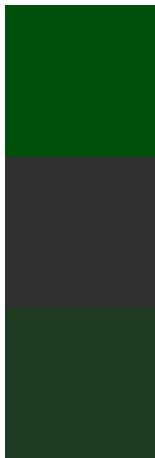
## Deuteranomaly

59.5870, 7.7520, -19.3520

## Tritanomaly

57.2750, -26.3600, -17.8800

# Monochromacy



## Original Color

48.3280, -25.8520, -38.1080

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

48.4790, -9.2590, -13.9230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 48.3280, -25.8520, -38.1080 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, 80, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 12)  
}
```

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, 80, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 12) }
```

## Border

The CSS property to change the border of an element to YIQ 48.3280, -25.8520, -38.1080 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, 80, 12) }
```

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

```
.border{ border-color:rgb(0, 80, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 80, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 12); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 80, 12); box-shadow:4px  
4px 4px 4px rgb(0, 80, 12) }
```

# Background

The CSS property to change the background color of an element to YIQ 48.3280, -25.8520, -38.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 12) }
```

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

```
.background{ background-color: rgb(0, 80,  
12) }
```

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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