

# Converting Colors

YIQ(84.9320, -15.6290,  
-30.6450)

Have a look what the booklet for  
YIQ(84.9320, -15.6290, -30.6450)  
contains.

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# Color

**YIQ(84.9320, -15.6290,  
-30.6450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	336D32
RGB	51, 109, 50
RGB Percent	20%, 43%, 20%
CMY	0.8002, 0.5724, 0.8039
CMYK	0.53, 0.00, 0.54, 0.57
HSL	119°, 37%, 31%
HSV	119°, 54%, 43%
XYZ	7.4099, 11.8754, 4.9188
YIQ	84.9320, -15.6290, -30.6450

# Conversions

## Conversions Part 2

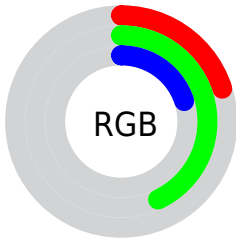
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 109, 108
Decimal	3370290
CIELab	41.02, -32.17, 27.08
CIELCh	41, 42.046, 139.913
Yxy	11.8754, 0.3061, 0.4906
Android (android.graphics.Color)	4281560370 (0xFF336D32)
YUV	84.9320, -17.2215, -29.7584
Hunter-Lab	34.4606, -21.9244, 15.6596

# Details

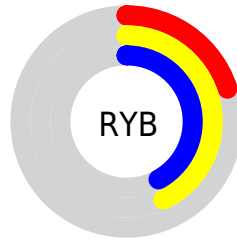
The YIQ color **84.9320, -15.6290, -30.6450** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **74.0680, 15.6290, 30.6450**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **136.1770, -14.9410, -32.1010**, and **36.1490, -17.7380, -30.9700** is the 20% darker color. If you saturate the color by 10%, you get **80.3890, -18.6540, -36.3980**, and if you desaturate by 10%, it is **89.4750, -12.6040, -24.8920**.

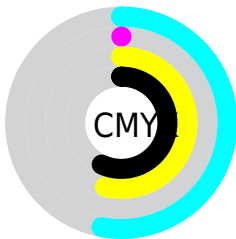
# Distribution



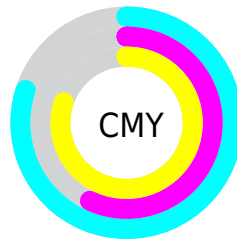
- Red (20%)
- Green (43%)
- Blue (20%)



- Red (20%)
- Yellow (43%)
- Blue (42%)



- Cyan (53%)
- Magenta (0%)
- Yellow (54%)
- Black (57%)



- Cyan (80%)
- Magenta (57%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.9320, -15.6290, -30.6450 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 84.9320, -15.6290, -30.6450 by changing the saturation by 10% instead.



■ 84.9320, -15.6290,  
-30.6450

■ 84.9320, -15.6290,  
-30.6450

■ 255.0000, -0.0000,  
-0.0000

■ 59.5620, -17.4630,  
-30.4470

■ 136.1770,  
-14.9410, -32.1010

■ 36.1490, -17.7380,  
-30.9700

■ 162.9490,  
-14.2990, -32.7230

■ 22.8930, -10.7250,  
-20.3970

■ 190.4220,  
-14.2530, -33.5570

■ 4.1090, -1.9250,  
-3.6610

■ 218.5960,  
-14.8030, -34.6030

■ 0.0000, 0.0000,  
0.0000

■ 236.3290, -9.2570,  
-24.9770

■ 247.8930, -1.5570,

-10.3330

■ 84.9320, -15.6290,  
-30.6450

■ 84.9320, -15.6290,  
-30.6450

■ 80.3890, -18.6540,  
-36.3980

■ 89.4750, -12.6040,  
-24.8920

■ 76.1450, -21.0830,  
-41.9390

■ 93.7190, -10.1750,  
-19.3510

■ 71.6020, -24.1080,  
-47.6920

■ 98.2620, -7.1500,  
-13.5980

■ 67.0590, -27.1330,  
-53.4450

■ 102.8050, -4.1250,  
-7.8450

■ 64.5810, -28.7830,  
-56.5830

■ 107.3480, -1.1000,  
-2.0920

■ 111.4780, 1.6500,  
3.1380

■ 116.0210, 4.6750,  
8.8910

■ 120.5640, 7.7000,  
14.6440

■ 124.8080, 10.1290,  
20.1850

# Harmonies

## Analogous

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



90.6450, 19.0320, -25.5440



84.9320, -15.6290, -30.6450



75.9070, -58.0390, -32.9750

# Triad

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



84.9320, -15.6290, -30.6450



79.8580, -81.5650, -3.0770



95.1320, 53.1350, 22.7270

# Complementary

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



84.9320, -15.6290, -30.6450



74.0680, 15.6290, 30.6450

# 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.



97.3280, 38.3240, 32.3400



84.9320, -15.6290, -30.6450



95.4950, -31.4100, 18.5900

# Square

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



84.9320, -15.6290, -30.6450



82.1430, -78.3540, -11.7140



99.9470, 8.6600, 30.2920



94.5810, 52.5880, 5.1000



# Rectangle

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



84.9320, -15.6290, -30.6450



78.6430, -65.7430, -25.5110



99.9470, 8.6600, 30.2920



95.9130, 49.5580, 26.9820

# Sweetspot

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



84.9320, -15.6290, -30.6450



133.5010, -6.3250, -12.0290



101.6870, 19.2140, -17.8260



65.6310, -3.5750, -6.7990



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



84.9320, -15.6290, -30.6450



104.8900, -24.9790, -48.4270



87.9390, -25.5340, -21.8380



51.5220, -1.6500, -3.1380



69.2770, -30.9830, -60.7670



145.0110, -64.9910, -127.2870



# Inverse Universe

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



74.0680, 15.6290, 30.6450



87.8110, 24.3830, 48.2150



71.0610, 25.5340, 21.8380



50.1790, 1.0540, 2.9260



47.7230, 30.9830, 60.7670



99.9890, 64.9910, 127.2870



# Previews

## White Background



This preview shows how the YIQ color 84.9320, -15.6290, -30.6450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

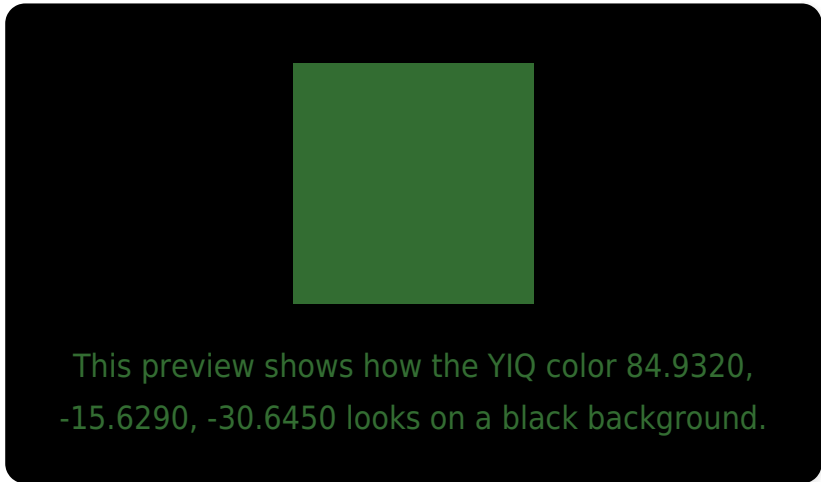
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

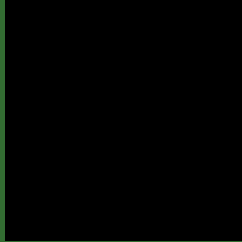
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 84.9320, -15.6290, -30.6450

## Background



This preview shows how black text looks on a background with the YIQ color 84.9320, -15.6290, -30.6450.



This preview shows how white text looks on a background with the YIQ color 84.9320, -15.6290,

-30.6450.

# 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

84.9320, -15.6290, -30.6450

### Protanopia

93.5890, 22.6060, -13.2180

### Deuteranopia

95.2570, 26.7770, -6.2070



## Tritanopia

92.2510, -25.8120, -5.7800

# Trichromacy



## Original Color

84.9320, -15.6290, -30.6450

## Protanomaly

90.6580, 8.9900, -19.7620

## Deuteranomaly

91.3750, 11.4650, -15.0550

## Tritanomaly

89.4220, -22.2800, -14.7280

# Monochromacy



## Original Color

84.9320, -15.6290, -30.6450

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.2130, -5.4540, -11.2940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.9320, -15.6290, -30.6450 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(51, 109, 50)` looks like.

```
.text, #text, p{  
    color:rgb(51, 109, 50)  
}
```

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(51, 109, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 109, 50) }
```

## Border

The CSS property to change the border of an element to YIQ 84.9320, -15.6290, -30.6450 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(51, 109, 50) }
```



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

```
.border{ border-color:rgb(51, 109, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 109, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 109, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 109, 50);  
box-shadow:4px 4px 4px 4px rgb(51, 109,  
50) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.9320, -15.6290, -30.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 109, 50) }
```

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

```
.background{ background-color: rgb(51, 109,  
50) }
```

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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