

Converting Colors

YIQ(68.3160, -42.7730,
-23.2930)

Have a look what the booklet for
YIQ(68.3160, -42.7730, -23.2930)
contains.

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Color

**YIQ(68.3160, -42.7730,
-23.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	0D5F4C
RGB	13, 95, 76
RGB Percent	5%, 37%, 30%
CMY	0.9492, 0.6273, 0.7021
CMYK	0.86, 0.00, 0.20, 0.63
HSL	166°, 76%, 21%
HSV	166°, 86%, 37%
XYZ	5.5636, 8.7970, 8.2350
YIQ	68.3160, -42.7730, -23.2930

Conversions

Conversions Part 2

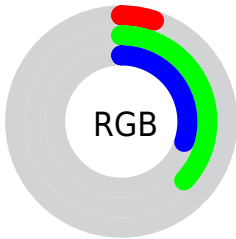
Format	Color
R_{YB}	13, 59, 95
Decimal	876364
CIE _{Lab}	35.59, -28.24, 4.37
CIE _{LCh}	36, 28.571, 171.203
Yxy	8.7970, 0.2462, 0.3893
Android (android.graphics.Color)	4279066444 (0xFF0D5F4C)
YUV	68.3160, 3.7882, -48.5121
Hunter-Lab	29.6598, -18.4213, 4.3000

Details

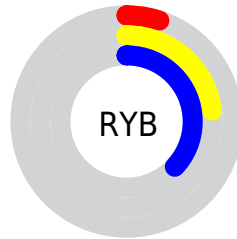
The YIQ color **68.3160, -42.7730, -23.2930** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **39.6840, 42.7730, 23.2930**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.7790, -36.7670, -22.0070**, and **31.8240, -23.4720, -15.1520** is the 20% darker color. If you saturate the color by 10%, you get **65.0980, -48.0910, -26.0350**, and if you desaturate by 10%, it is **71.2350, -38.0510, -20.7630**.

Distribution



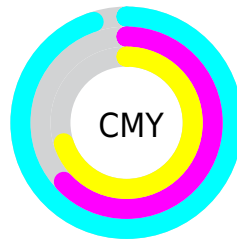
- Red (5%)
- Green (37%)
- Blue (30%)



- Red (5%)
- Yellow (23%)
- Blue (37%)



- Cyan (86%)
- Magenta (0%)
- Yellow (20%)
- Black (63%)



- Cyan (95%)
- Magenta (63%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.3160, -42.7730, -23.2930 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 68.3160, -42.7730, -23.2930 by changing the saturation by 10% instead.

■ 68.3160, -42.7730,
-23.2930

■ 68.3160, -42.7730,
-23.2930

■ 255.0000, -0.0000,
-0.0000

■ 47.7190, -36.5380,
-20.6500

■ 121.7790,
-36.7670, -22.0070

■ 31.8240, -23.4720,
-15.1520

■ 148.6650,
-36.4460, -22.3180

■ 17.4620, -10.5890,
-11.8450

■ 176.1380,
-36.4000, -23.1520

■ 0.0000, 0.0000,
0.0000

■ 203.8390,
-36.9960, -23.3640

■ 230.6650,
-36.4460, -22.3180

■ 241.5450,

-26.8200, -9.5400

■ 250.2160, -9.5360,
-3.3920

■ 68.3160, -42.7730,
-23.2930

■ 68.3160, -42.7730,
-23.2930

■ 65.0980, -48.0910,
-26.0350

■ 71.2350, -38.0510,
-20.7630

■ 64.0870, -49.5580,
-26.9820

■ 74.4530, -32.7330,
-18.0210

■ 77.4860, -28.3320,
-15.1800

■ 80.7040, -23.0140,
-12.4380

■ 83.6230, -18.2920,
-9.9080

■ 86.8410, -12.9740,
-7.1660

■ 89.7600, -8.2520,
-4.6360

■ 93.0920, -3.2550,
-1.5830

■ 96.0110, 1.4670,
0.9470

Harmonies

Analogous

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



76.6050, -9.8540, -19.6620



68.3160, -42.7730, -23.2930



67.0510, -57.9040, -18.8960

Triad

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



68.3160, -42.7730, -23.2930



83.7490, -17.7460, 13.2460



83.7300, 35.9910, 3.0230

Complementary

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



68.3160, -42.7730, -23.2930



39.6840, 42.7730, 23.2930

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.



84.4670, 35.7140, 13.5540



68.3160, -42.7730, -23.2930



86.8400, 7.1030, 19.9590

Square

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



68.3160, -42.7730, -23.2930



74.4350, -49.5170, -0.1810



85.3060, 26.2220, 20.3820



82.0890, 27.1900, -8.1860

Rectangle

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



68.3160, -42.7730, -23.2930



68.0600, -62.1230, -14.0190



85.3060, 26.2220, 20.3820



83.5500, 36.6780, 7.0940

Sweetspot

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



68.3160, -42.7730, -23.2930



111.9330, -16.2290, -8.7490



66.8150, -11.2260, -38.8580



54.8630, -10.0400, -5.2720



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



68.3160, -42.7730, -23.2930



82.3300, -63.7240, -34.5720



57.5680, -42.8220, -5.8780



46.6900, -2.0630, -1.1590



75.5480, -58.4060, -31.8300



161.8560, -125.0640, -68.2960

Inverse Universe

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



39.6840, 42.7730, 23.2930



39.6700, 63.7240, 34.5720



50.4320, 42.8220, 5.8780



45.3100, 2.0630, 1.1590



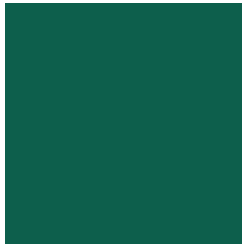
36.4520, 58.4060, 31.8300



78.1440, 125.0640, 68.2960

Previews

White Background



This preview shows how the YIQ color 68.3160, -42.7730, -23.2930 looks on a white background.

Color Contrast Check

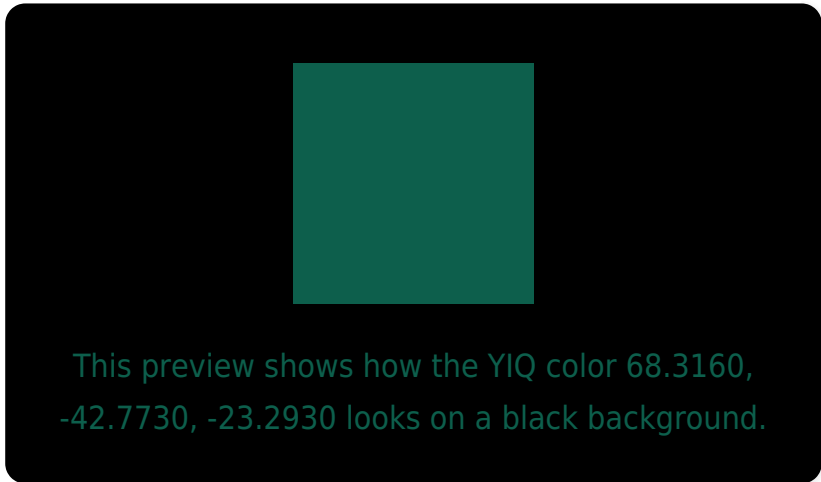
Large Text (above 18pt) WCAG AA ✓ Pass

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 68.3160, -42.7730, -23.2930

Background



This preview shows how black text looks on a background with the YIQ color 68.3160, -42.7730, -23.2930.



This preview shows how white text looks on a background with the YIQ color 68.3160, -42.7730,

-23.2930.

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

68.3160, -42.7730, -23.2930

Protanopia

83.0130, 7.1530, -2.9830

Deuteranopia

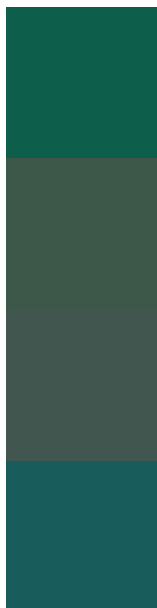
84.3600, 7.7940, 1.9220



Tritanopia

74.5590, -38.6030, -10.7550

Trichromacy



Original Color

68.3160, -42.7730, -23.2930

Protanomaly

77.5160, -10.6810, -10.1770

Deuteranomaly

78.5100, -10.5440, -7.1520

Tritanomaly

72.1410, -40.4820, -15.2500

Monochromacy



Original Color

68.3160, -42.7730, -23.2930

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.2320, -15.6330, -8.5370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.3160, -42.7730, -23.2930 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(13, 95, 76)` looks like.

```
.text, #text, p{  
    color:rgb(13, 95, 76)  
}
```

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(13, 95, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 95, 76) }
```

Border

The CSS property to change the border of an element to YIQ 68.3160, -42.7730, -23.2930 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(13, 95, 76) }
```


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

```
.border{ border-color:rgb(13, 95, 76) }
```

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

Here you see how a box with a 4 pixel rgb(13, 95, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 95, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 95, 76);  
box-shadow:4px 4px 4px 4px rgb(13, 95, 76)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.3160, -42.7730, -23.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 95, 76) }
```

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

```
.background{ background-color: rgb(13, 95,  
76) }
```

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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