

Converting Colors

YIQ(96.4030, 14.2620, -16.1860)

Have a look what the booklet for
YIQ(96.4030, 14.2620, -16.1860)
contains.

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Color

**YIQ(96.4030, 14.2620,
-16.1860)**

Conversions

Conversions Part 1

Format	Color
Hex	646735
RGB	100, 103, 53
RGB Percent	39%, 40%, 21%
CMY	0.6079, 0.5961, 0.7921
CMYK	0.03, 0.00, 0.49, 0.60
HSL	64°, 32%, 31%
HSV	64°, 49%, 40%
XYZ	10.7480, 12.6668, 5.2495
YIQ	96.4030, 14.2620, -16.1860

Conversions

Conversions Part 2

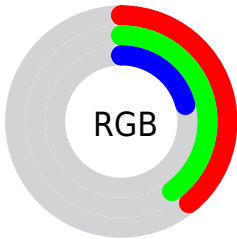
Format	Color
RYB	53, 103, 56
Decimal	6580021
CIELab	42.26, -9.32, 27.65
CIELCh	42, 29.179, 108.627
Yxy	12.6668, 0.3750, 0.4419
Android (android.graphics.Color)	4284770101 (0xFF646735)
YUV	96.4030, -21.3977, 3.1546
Hunter-Lab	35.5904, -8.3778, 16.1681

Details

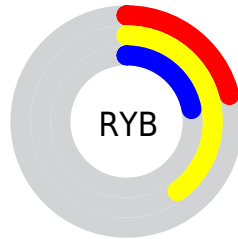
The YIQ color **96.4030, 14.2620, -16.1860** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **59.5970, -14.2620, 16.1860**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **147.3600, 15.8210, -16.9070**, and **49.2180, 13.3450, -16.0870** is the 20% darker color. If you saturate the color by 10%, you get **94.9640, 16.8760, -19.5080**, and if you desaturate by 10%, it is **97.8420, 11.6480, -12.8640**.

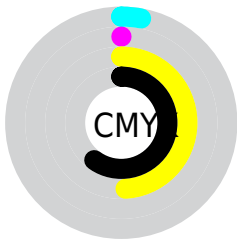
Distribution



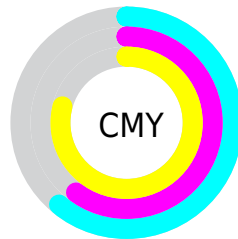
- Red (39%)
- Green (40%)
- Blue (21%)



- Red (21%)
- Yellow (40%)
- Blue (22%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 96.4030, 14.2620, -16.1860 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 96.4030, 14.2620, -16.1860 by changing the saturation by 10% instead.

■ 96.4030, 14.2620,
-16.1860

■ 96.4030, 14.2620,
-16.1860

■ 255.0000, -0.0000,
-0.0000

■ 72.2180, 13.3450,
-16.0870

■ 147.3600, 15.8210,
-16.9070

■ 49.2180, 13.3450,
-16.0870

■ 174.1320, 16.4630,
-17.5290

■ 29.5150, 8.2550,
-11.9450

■ 201.3170, 17.3800,
-17.6280

■ 8.8050, -4.1250,
-7.8450

■ 229.2030, 17.7010,
-17.9390

■ 0.0000, 0.0000,
0.0000

■ 249.5280, 15.4080,
-14.9280

■ 252.7200, 6.4200,

-6.2200

■ 96.4030, 14.2620,
-16.1860

■ 96.4030, 14.2620,
-16.1860

■ 94.9640, 16.8760,
-19.5080

■ 97.8420, 11.6480,
-12.8640

■ 93.7100, 20.4070,
-22.9290

■ 99.0960, 8.1170,
-9.4430

■ 92.2710, 23.0210,
-26.2510

■ 100.5350, 5.5030,
-6.1210

■ 91.1310, 26.2310,
-29.3610

■ 101.6750, 2.2930,
-3.0110

■ 89.6920, 28.8450,
-32.6830

■ 103.2280, -0.6420,
0.6220

■ 89.4640, 29.4870,
-33.3050

■ 104.6670, -3.2560,
3.9440

■ 105.8070, -6.4660,
7.0540

■ 107.2460, -9.0800,
10.3760

■ 108.7990,
-12.0150, 14.0090

Harmonies

Analogous

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



98.4700, 30.4910, -7.4370



96.4030, 14.2620, -16.1860



93.4480, -7.9740, -20.6940

Triad

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



96.4030, 14.2620, -16.1860



79.9600, -73.5850, -15.5450



101.9470, 25.8550, 21.5270

Complementary

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



96.4030, 14.2620, -16.1860



59.5970, -14.2620, 16.1860

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.



102.8830, 5.5440, 20.6800



96.4030, 14.2620, -16.1860



90.8370, -50.7090, -0.6050

Square

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



96.4030, 14.2620, -16.1860



78.7400, -67.3940, -23.1220



99.7810, -20.7720, 13.0200



101.0050, 37.1350, 15.3350

Rectangle

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



96.4030, 14.2620, -16.1860



89.6400, -26.1300, -22.0500



99.7810, -20.7720, 13.0200



102.5380, 19.7570, 21.9090

Sweetspot

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



96.4030, 14.2620, -16.1860



132.4210, 5.8240, -6.4320



69.7110, 28.9750, 9.0310



67.2190, 3.5770, -4.2550



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



96.4030, 14.2620, -16.1860



124.6130, 22.0580, -25.3180



89.2270, -0.0420, -21.2740



50.4300, 1.6050, -1.5550



99.7970, 32.7430, -37.2490



210.2260, 69.3380, -78.2300

Inverse Universe

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



59.5970, -14.2620, 16.1860



67.0880, -22.6540, 25.1060



67.0720, 0.6380, 21.4860



46.5700, -1.6050, 1.5550



15.2030, -32.7430, 37.2490



32.0730, -68.7420, 78.4420

Previews

White Background



This preview shows how the YIQ color 96.4030, 14.2620, -16.1860 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



This preview shows how the YIQ color 96.4030, 14.2620, -16.1860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

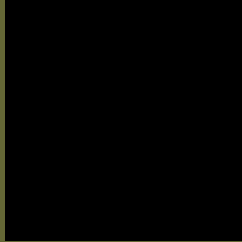
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 96.4030, 14.2620, -16.1860

Background



This preview shows how black text looks on a background with the YIQ color 96.4030, 14.2620, -16.1860.



This preview shows how white text looks on a background with the YIQ color 96.4030, 14.2620, -16.1860.

-16.1860.

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

96.4030, 14.2620, -16.1860

Protanopia

97.5180, 21.3680, -12.8080

Deuteranopia

98.5130, 28.9320, -6.7160



Tritanopia

100.6030, 2.7960, 4.3960

Trichromacy



Original Color

96.4030, 14.2620, -16.1860

Protanomaly

96.9090, 18.7090, -14.1790

Deuteranomaly

97.7680, 23.6600, -10.2920

Tritanomaly

99.0130, 7.1530, -2.9830

Monochromacy



Original Color

96.4030, 14.2620, -16.1860

Achromatopsia

96.0000, -0.0000, 0.0000

Achromatomaly

96.2360, 4.9070, -6.3330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 96.4030, 14.2620, -16.1860 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(100, 103, 53)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 53)  
}
```

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(100, 103, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 53) }
```

Border

The CSS property to change the border of an element to YIQ 96.4030, 14.2620, -16.1860 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(100, 103, 53) }
```


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

```
.border{ border-color:rgb(100, 103, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 103, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 53);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
53) }
```

Background

The CSS property to change the background color of an element to YIQ 96.4030, 14.2620, -16.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 53) }
```

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

```
.background{ background-color: rgb(100,  
103, 53) }
```

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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