

Converting Colors

YIQ(63.6460, 0.0960, -23.7760)

Have a look what the booklet for
YIQ(63.6460, 0.0960, -23.7760)
contains.

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Color

**YIQ(63.6460, 0.0960,
-23.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	314F17
RGB	49, 79, 23
RGB Percent	19%, 31%, 9%
CMY	0.8079, 0.6901, 0.9098
CMYK	0.38, 0.00, 0.71, 0.69
HSL	92°, 55%, 20%
HSV	92°, 71%, 31%
XYZ	4.2170, 6.3080, 1.8065
YIQ	63.6460, 0.0960, -23.7760

Conversions

Conversions Part 2

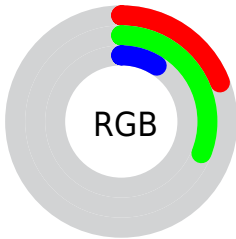
Format	Color
R_{YB}	23, 79, 53
Decimal	3231511
CIE _{Lab}	30.18, -22.03, 28.60
CIE _{LCh}	30, 36.104, 127.601
Yxy	6.3080, 0.3420, 0.5115
Android (android.graphics.Color)	4281421591 (0xFF314F17)
YUV	63.6460, -20.0385, -12.8445
Hunter-Lab	25.1157, -13.9819, 13.3164

Details

The YIQ color **63.6460, 0.0960, -23.7760** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **38.3540, -0.0960, 23.7760**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **112.3040, 1.0590, -24.7090**, and **19.9580, -9.3500, -17.7820** is the 20% darker color. If you saturate the color by 10%, you get **61.5380, 0.2800, -27.1120**, and if you desaturate by 10%, it is **65.7540, -0.0880, -20.4400**.

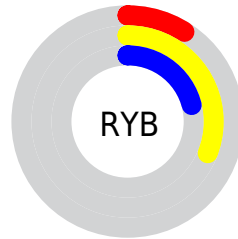
Distribution



Red (19%)

Green (31%)

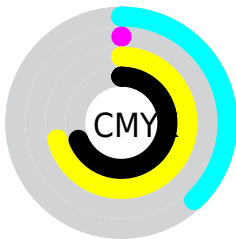
Blue (9%)



Red (9%)

Yellow (31%)

Blue (21%)

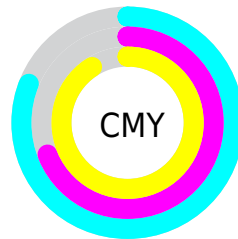


Cyan (38%)

Magenta (0%)

Yellow (71%)

Black (69%)



Cyan (81%)

Magenta (69%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.6460, 0.0960, -23.7760 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 63.6460, 0.0960, -23.7760 by changing the saturation by 10% instead.

■ 63.6460, 0.0960,
-23.7760

■ 63.6460, 0.0960,
-23.7760

■ 255.0000, -0.0000,
-0.0000

■ 40.6460, 0.0960,
-23.7760

■ 112.3040, 1.0590,
-24.7090

■ 19.9580, -9.3500,
-17.7820

■ 138.3640, 0.8300,
-26.0660

■ 0.5870, -0.2750,
-0.5230

■ 164.6630, 1.4260,
-25.8540

■ 0.0000, 0.0000,
0.0000

■ 192.1360, 1.4720,
-26.6880

■ 219.9080, 2.1140,
-27.3100

■ 242.0380, 4.8640,

-22.0800

■ 251.8080, 8.9880,
-8.7080

■ 63.6460, 0.0960,
-23.7760

■ 63.6460, 0.0960,
-23.7760

■ 61.5380, 0.2800,
-27.1120

■ 65.7540, -0.0880,
-20.4400

■ 59.1310, -0.1320,
-30.6600

■ 67.8620, -0.2720,
-17.1040

■ 57.4360, 0.3270,
-33.4730

■ 70.2690, 0.1400,
-13.5560

■ 72.3770, -0.0440,
-10.2200

■ 74.4850, -0.2280,
-6.8840

■ 76.4790, -0.0910,
-3.8590

■ 78.8860, 0.3210,
-0.3110

■ 80.9940, 0.1370,
3.0250

■ 83.1020, -0.0470,
6.3610

Harmonies

Analogous

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



66.7970, 24.7160, -18.4200



63.6460, 0.0960, -23.7760



54.3070, -38.5540, -28.1700

Triad

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



63.6460, 0.0960, -23.7760



60.9820, -61.4830, -3.5870



69.7160, 39.7470, 23.0670

Complementary

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



63.6460, 0.0960, -23.7760



38.3540, -0.0960, 23.7760

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.



72.2550, 22.2320, 26.6160



63.6460, 0.0960, -23.7760



63.0210, -48.0510, 6.2930

Square

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



63.6460, 0.0960, -23.7760



61.2780, -56.8050, -11.2770



72.6630, -5.4600, 21.8680



68.9640, 44.3800, 10.6840

Rectangle

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



63.6460, 0.0960, -23.7760



57.0600, -44.9280, -22.7840



72.6630, -5.4600, 21.8680



70.2580, 35.3450, 25.7530

Sweetspot

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



63.6460, 0.0960, -23.7760



96.3170, 0.1850, -8.8630



57.3540, 25.1260, -3.8180



47.4250, 0.0010, -5.5270



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



63.6460, 0.0960, -23.7760



78.0290, -0.0850, -37.0210



56.1000, -16.0420, -28.6660



36.9460, 0.0920, -1.6680



73.9270, -0.0380, -43.3820



166.7040, -0.0740, -97.8180

Inverse Universe

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



38.3540, -0.0960, 23.7760



38.9710, 0.0850, 37.0210



45.9000, 16.0420, 28.6660



35.0540, -0.0920, 1.6680



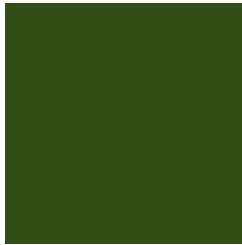
28.0730, 0.0380, 43.3820



62.9970, -0.5220, 97.6060

Previews

White Background



This preview shows how the YIQ color 63.6460, 0.0960, -23.7760 looks on a white background.

Color Contrast Check

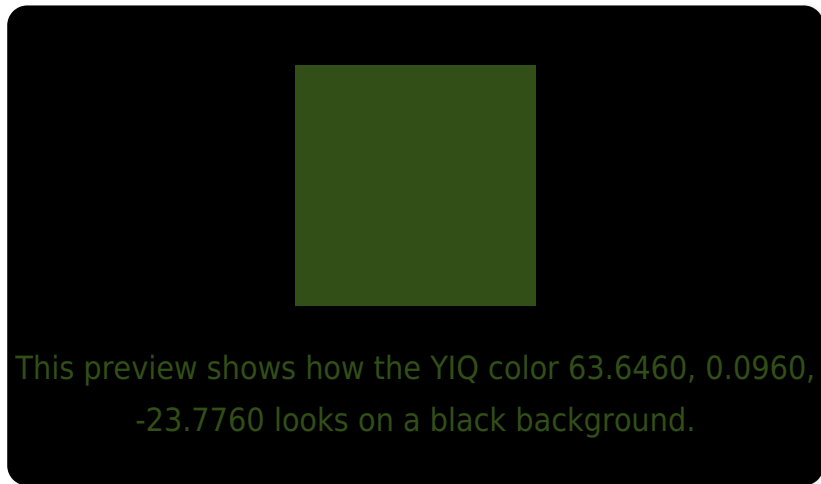
Large Text (above 18pt) WCAG AA ✓ Pass

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

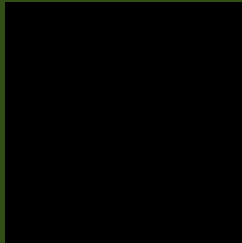
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.6460, 0.0960, -23.7760

Background



This preview shows how black text looks on a background with the YIQ color 63.6460, 0.0960, -23.7760.



This preview shows how white text looks on a background with the YIQ color 63.6460, 0.0960,

-23.7760.

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

63.6460, 0.0960, -23.7760

Protanopia

67.9910, 21.4140, -13.6420

Deuteranopia

68.7190, 25.3560, -7.9880



Tritanopia

69.6010, -12.0580, -1.7380

Trichromacy



Original Color

63.6460, 0.0960, -23.7760

Protanomaly

66.5770, 13.7120, -17.2320

Deuteranomaly

66.7670, 16.2330, -13.3590

Tritanomaly

67.4840, -7.6550, -9.9510

Monochromacy



Original Color

63.6460, 0.0960, -23.7760

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

63.7300, 0.4600, -8.3400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.6460, 0.0960, -23.7760 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(49, 79, 23)` looks like.

```
.text, #text, p{  
    color:rgb(49, 79, 23)  
}
```

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(49, 79, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 79, 23) }
```

Border

The CSS property to change the border of an element to YIQ 63.6460, 0.0960, -23.7760 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(49, 79, 23) }
```


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

```
.border{ border-color:rgb(49, 79, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 79, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 79, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 79, 23);  
box-shadow:4px 4px 4px 4px rgb(49, 79, 23)  
}
```

Background

The CSS property to change the background color of an element to YIQ 63.6460, 0.0960, -23.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 79, 23) }
```

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

```
.background{ background-color: rgb(49, 79,  
23) }
```

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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