

Converting Colors

YIQ(50.7760, -31.5440, -1.0160)

Have a look what the booklet for
YIQ(50.7760, -31.5440, -1.0160)
contains.

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Color

**YIQ(50.7760, -31.5440,
-1.0160)**

Conversions

Conversions Part 1

Format	Color
Hex	143C54
RGB	20, 60, 84
RGB Percent	8%, 24%, 33%
CMY	0.9216, 0.7646, 0.6707
CMYK	0.76, 0.29, 0.00, 0.67
HSL	202°, 62%, 20%
HSV	202°, 76%, 33%
XYZ	3.5036, 4.0215, 8.9715
YIQ	50.7760, -31.5440, -1.0160

Conversions

Conversions Part 2

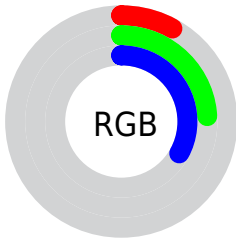
Format	Color
R_{YB}	20, 45, 84
Decimal	1326164
CIE Lab	23.74, -4.90, -18.51
CIE LCh	24, 19.146, 255.171
Yxy	4.0215, 0.2124, 0.2438
Android (android.graphics.Color)	4279516244 (0xFF143C54)
YUV	50.7760, 16.3794, -26.9906
Hunter-Lab	20.0537, -3.9080, -12.4873

Details

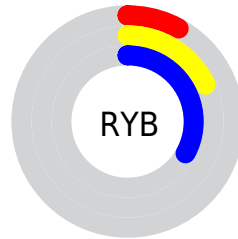
The YIQ color **50.7760, -31.5440, -1.0160** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **53.2240, 31.5440, 1.0160**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.6130, -29.5270, 0.9770**, and **15.0120, -17.4690, 2.7150** is the 20% darker color. If you saturate the color by 10%, you get **46.6230, -35.4870, -1.1430**, and if you desaturate by 10%, it is **54.9290, -27.6010, -0.8890**.

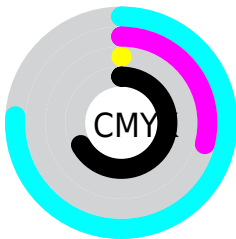
Distribution



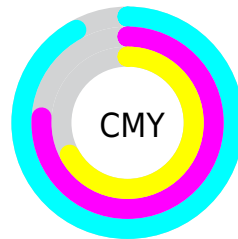
- Red (8%)
- Green (24%)
- Blue (33%)



- Red (8%)
- Yellow (18%)
- Blue (33%)



- Cyan (76%)
- Magenta (29%)
- Yellow (0%)
- Black (67%)



- Cyan (92%)
- Magenta (76%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.7760, -31.5440, -1.0160 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 50.7760, -31.5440, -1.0160 by changing the saturation by 10% instead.

■ 50.7760, -31.5440,
-1.0160

■ 50.7760, -31.5440,
-1.0160

■ 255.0000, -0.0000,
-0.0000

■ 29.2600, -30.0310,
-0.9030

■ 99.6130, -29.5270,
0.9770

■ 15.0120, -17.4690,
2.7150

■ 125.0260,
-29.2520, 1.5000

■ 2.5250, -5.7320,
4.7640

■ 151.1400,
-29.5730, 1.8110

■ 0.0000, 0.0000,
0.0000

■ 178.2540,
-29.8940, 2.1220

■ 205.9550,
-30.4900, 1.9100

■ 232.1310,

-25.3540, -3.0660

■ 249.0200,
-11.9200, -4.2400

■ 50.7760, -31.5440,
-1.0160

■ 50.7760, -31.5440,
-1.0160

■ 46.6230, -35.4870,
-1.1430

■ 54.9290, -27.6010,
-0.8890

■ 42.1710, -40.0260,
-1.4820

■ 59.3810, -23.0620,
-0.5500

■ 40.6870, -41.5390,
-1.5950

■ 63.5340, -19.1190,
-0.4230

■ 68.5730, -14.8550,
-0.6070

■ 72.7260, -10.9120,
-0.4800

■ 76.8790, -6.9690,
-0.3530

■ 81.3310, -2.4300,
-0.0140

■ 85.4840, 1.5130,
0.1130

■ 89.9360, 6.0520,
0.4520

Harmonies

Analogous

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



45.6450, -41.7210, -9.3130



50.7760, -31.5440, -1.0160



55.9140, -14.0770, 7.3230

Triad

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



50.7760, -31.5440, -1.0160



57.2310, 21.6390, 9.8230



53.0560, -3.5740, -12.3260

Complementary

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



50.7760, -31.5440, -1.0160



53.2240, 31.5440, 1.0160

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.



54.5800, 9.6300, -9.3300



50.7760, -31.5440, -1.0160



56.6130, 23.1990, 3.5750

Square

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



50.7760, -31.5440, -1.0160



58.2180, 14.4860, 12.8060



55.9450, 19.0280, -3.4360



50.0310, -19.6210, -13.3570

Rectangle

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



50.7760, -31.5440, -1.0160



57.8830, -3.6240, 10.6160



55.9450, 19.0280, -3.4360



53.8070, 1.5610, -11.7750

Sweetspot

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



50.7760, -31.5440, -1.0160



96.3560, -12.7460, -0.2820



60.1900, -24.9830, -26.3190



47.6940, -7.8860, -0.2540



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



50.7760, -31.5440, -1.0160



57.7940, -49.1500, -1.3260



32.5790, -23.0190, 15.1970



38.6300, -1.8340, 0.1980



50.1250, -51.5800, -1.3400



111.5630, -114.3470, -3.6830

Inverse Universe

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



43.6960, 25.3040, 26.0080



46.9680, 39.6980, 40.4820



71.4210, 23.0190, -15.1970



38.4240, 1.7420, 1.4700



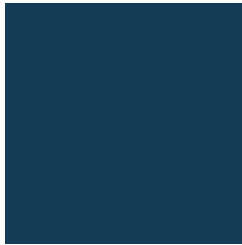
38.8050, 41.7150, 42.4750



85.8980, 91.7270, 94.2790

Previews

White Background



This preview shows how the YIQ color 50.7760, -31.5440, -1.0160 looks on a white background.

Color Contrast Check

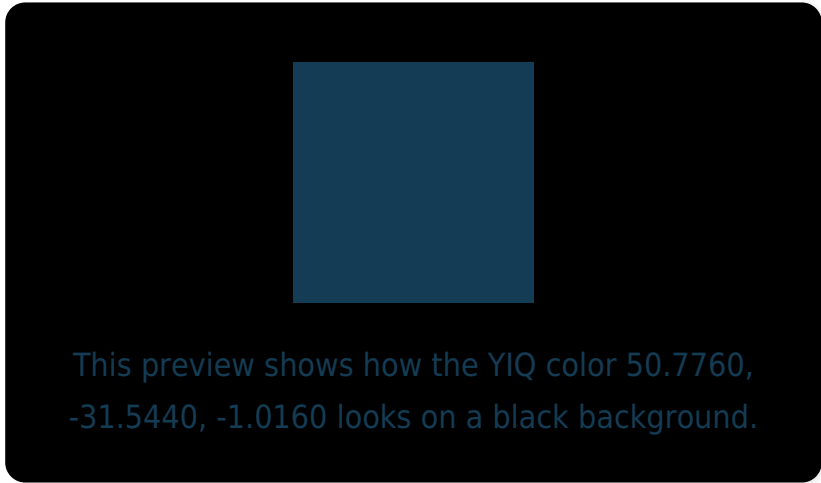
Large Text (above 18pt) WCAG AA ✓ Pass

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

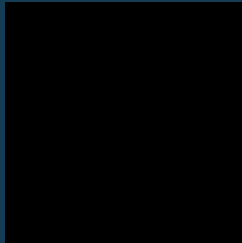
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.7760, -31.5440, -1.0160

Background



This preview shows how black text looks on a background with the YIQ color 50.7760, -31.5440, -1.0160.



This preview shows how white text looks on a background with the YIQ color 50.7760, -31.5440,

-1.0160.

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

50.7760, -31.5440, -1.0160

Protanopia

56.6430, -11.8760, 5.9800

Deuteranopia

55.7180, -16.4610, 6.4750



Tritanopia

44.7330, -39.1530, -11.8010

Trichromacy



Original Color

50.7760, -31.5440, -1.0160

Protanomaly

54.0550, -19.0280, 3.4360

Deuteranomaly

53.6140, -22.1000, 4.0440

Tritanomaly

46.9230, -36.6320, -7.9280

Monochromacy



Original Color

50.7760, -31.5440, -1.0160

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.8400, -11.2330, -0.1690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.7760, -31.5440, -1.0160 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(20, 60, 84)` looks like.

```
.text, #text, p{  
    color:rgb(20, 60, 84)  
}
```

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(20, 60, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 60, 84) }
```

Border

The CSS property to change the border of an element to YIQ 50.7760, -31.5440, -1.0160 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(20, 60, 84) }
```


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

```
.border{ border-color:rgb(20, 60, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 60, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 60, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 60, 84);  
box-shadow:4px 4px 4px 4px rgb(20, 60, 84)  
}
```

Background

The CSS property to change the background color of an element to YIQ 50.7760, -31.5440, -1.0160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 60, 84) }
```

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

```
.background{ background-color: rgb(20, 60,  
84) }
```

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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