

Converting Colors

YIQ(56.5600, -31.1760, -7.6880)

Have a look what the booklet for
YIQ(56.5600, -31.1760, -7.6880)
contains.

YIQ(56.5600, -31.1760, -7.6880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(56.5600, -31.1760,
-7.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	16464E
RGB	22, 70, 78
RGB Percent	9%, 27%, 31%
CMY	0.9138, 0.7254, 0.6942
CMYK	0.72, 0.10, 0.00, 0.69
HSL	189°, 56%, 20%
HSV	189°, 72%, 31%
XYZ	3.8956, 5.1027, 7.9811
YIQ	56.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

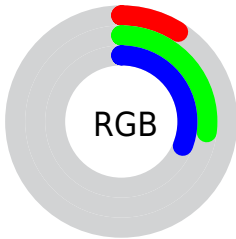
Format	Color
R_{YB}	22, 48, 78
Decimal	1459790
CIE _{Lab}	27.03, -13.06, -9.52
CIE _{LCh}	27, 16.163, 216.084
Yxy	5.1027, 0.2294, 0.3005
Android (android.graphics.Color)	4279649870 (0xFF16464E)
YUV	56.5600, 10.5699, -30.3091
Hunter-Lab	22.5891, -8.7475, -5.1357

Details

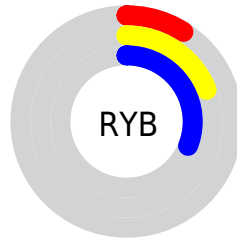
The YIQ color **56.5600, -31.1760, -7.6880** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **43.4400, 31.1760, 7.6880**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **105.8700, -29.1130, -6.5290**, and **19.7250, -18.3390, -3.5470** is the 20% darker color. If you saturate the color by 10%, you get **53.5810, -35.6690, -8.8610**, and if you desaturate by 10%, it is **59.5390, -26.6830, -6.5150**.

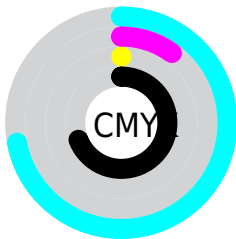
Distribution



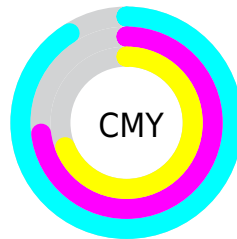
- Red (9%)
- Green (27%)
- Blue (31%)



- Red (9%)
- Yellow (19%)
- Blue (31%)



- Cyan (72%)
- Magenta (10%)
- Yellow (0%)
- Black (69%)



- Cyan (91%)
- Magenta (73%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.5600, -31.1760, -7.6880 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 56.5600, -31.1760, -7.6880 by changing the saturation by 10% instead.

■ 56.5600, -31.1760,
-7.6880

■ 56.5600, -31.1760,
-7.6880

■ 255.0000, -0.0000,
-0.0000

■ 34.4460, -30.8550,
-7.9990

■ 105.8700,
-29.1130, -6.5290

■ 19.7250, -18.3390,
-3.5470

■ 131.5710,
-29.7090, -6.7410

■ 1.2540, -3.5310,
3.4210

■ 158.2720,
-30.3050, -6.9530

■ 0.0000, 0.0000,
0.0000

■ 185.2720,
-30.3050, -6.9530

■ 212.9730,
-30.9010, -7.1650

■ 240.6480,

-28.6080, -10.1760

■ 249.3190,
-11.3240, -4.0280

■ 56.5600, -31.1760,
-7.6880

■ 56.5600, -31.1760,
-7.6880

■ 53.5810, -35.6690,
-8.8610

■ 59.5390, -26.6830,
-6.5150

■ 50.6020, -40.1620,
-10.0340

■ 62.5180, -22.1900,
-5.3420

■ 48.2210, -43.4630,
-10.7830

■ 65.1980, -18.2930,
-4.3810

■ 68.1770, -13.8000,
-3.2080

■ 71.7430, -9.5820,
-2.5580

■ 74.7220, -5.0890,
-1.3850

■ 77.7010, -0.5960,
-0.2120

■ 80.3810, 3.3010,
0.7490

■ 83.3600, 7.7940,
1.9220

Harmonies

Analogous

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



57.5730, -24.0230, -10.6710



56.5600, -31.1760, -7.6880



59.5870, -26.6380, -1.8220

Triad

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



56.5600, -31.1760, -7.6880



65.8260, 9.7180, 11.1100



62.9440, 11.6010, -6.5030

Complementary

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



56.5600, -31.1760, -7.6880



43.4400, 31.1760, 7.6880

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.



64.2270, 18.2940, -1.1460



56.5600, -31.1760, -7.6880



65.6650, 17.4210, 9.1730

Square

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



56.5600, -31.1760, -7.6880



65.4270, -2.3400, 9.3720



64.5850, 20.4020, 4.7060



61.3880, 1.4230, -9.2730

Rectangle

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



56.5600, -31.1760, -7.6880



62.2290, -19.5780, 2.3900



64.5850, 20.4020, 4.7060



63.5530, 14.2600, -5.1320

Sweetspot

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



56.5600, -31.1760, -7.6880



93.6610, -12.2870, -3.0950



55.6700, -17.6470, -27.1110



45.9390, -7.1980, -1.7100



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.



56.5600, -31.1760, -7.6880



68.6440, -49.1480, -12.3800



40.7110, -23.7510, 6.4330



36.8040, -2.3840, -0.8480



63.2840, -56.9420, -14.3020



141.8590, -128.0050, -31.5010

Inverse Universe

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



44.2160, 17.9680, 26.8000



48.9760, 28.0520, 42.2920



59.2890, 23.7510, -6.4330



35.6520, 1.1000, 2.0920



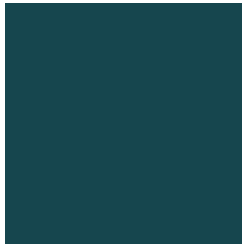
40.5300, 32.5440, 48.9920



91.2280, 73.8430, 110.0270

Previews

White Background



This preview shows how the YIQ color 56.5600, -31.1760, -7.6880 looks on a white background.

Color Contrast Check

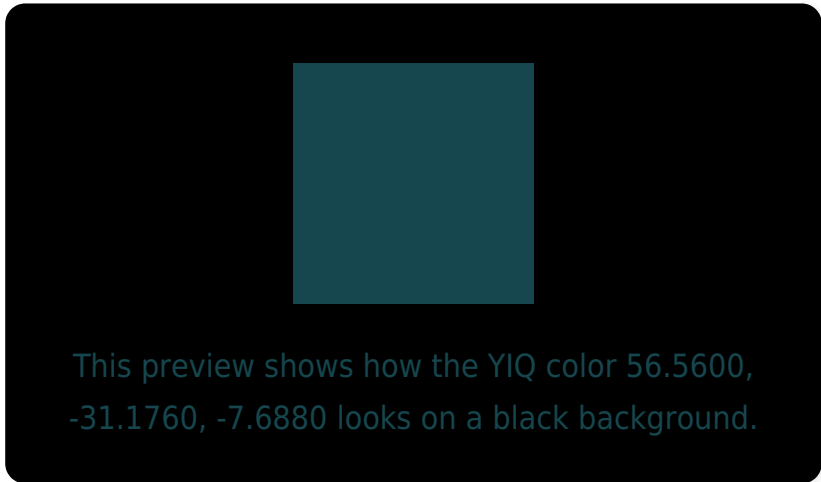
Large Text (above 18pt) WCAG AA ✓ Pass

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

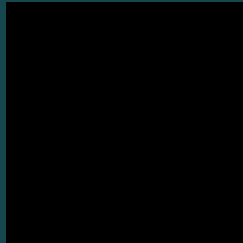
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 56.5600, -31.1760, -7.6880

Background



This preview shows how black text looks on a background with the YIQ color 56.5600, -31.1760, -7.6880.



This preview shows how white text looks on a background with the YIQ color 56.5600, -31.1760,

-7.6880.

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

56.5600, -31.1760, -7.6880

Protanopia

63.8410, -3.8060, 2.8980

Deuteranopia

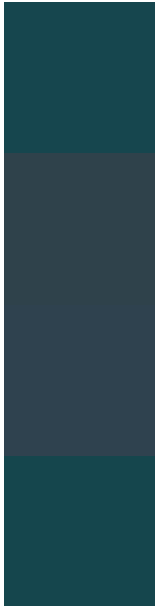
64.6390, -6.0530, 5.0750



Tritanopia

56.0330, -31.1300, -8.5220

Trichromacy



Original Color

56.5600, -31.1760, -7.6880

Protanomaly

61.3450, -14.2130, -1.2290

Deuteranomaly

61.8010, -15.4970, 0.0150

Tritanomaly

56.1470, -31.4510, -8.2110

Monochromacy



Original Color

56.5600, -31.1760, -7.6880

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

56.9600, -11.6910, -2.8830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.5600, -31.1760, -7.6880 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(22, 70, 78)` looks like.

```
.text, #text, p{  
    color:rgb(22, 70, 78)  
}
```

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(22, 70, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 70, 78) }
```

Border

The CSS property to change the border of an element to YIQ 56.5600, -31.1760, -7.6880 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(22, 70, 78) }
```


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

```
.border{ border-color:rgb(22, 70, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 70, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 70, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 70, 78);  
box-shadow:4px 4px 4px 4px rgb(22, 70, 78)  
}
```

Background

The CSS property to change the background color of an element to YIQ 56.5600, -31.1760, -7.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 70, 78) }
```

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

```
.background{ background-color: rgb(22, 70,  
78) }
```

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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