

Converting Colors

YIQ(70.3560, -12.7460, -0.2820)

Have a look what the booklet for
YIQ(70.3560, -12.7460, -0.2820)
contains.

YIQ(70.3560, -12.7460, -0.2820)	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(70.3560, -12.7460,
-0.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	3A4A54
RGB	58, 74, 84
RGB Percent	23%, 29%, 33%
CMY	0.7726, 0.7098, 0.6706
CMYK	0.31, 0.12, 0.00, 0.67
HSL	203°, 18%, 28%
HSV	203°, 31%, 33%
XYZ	5.7933, 6.4376, 9.3217
YIQ	70.3560, -12.7460, -0.2820

Conversions

Conversions Part 2

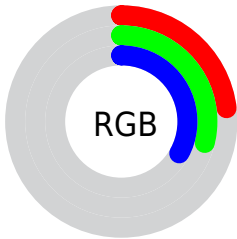
Format	Color
R_{YB}	58, 68, 84
Decimal	3820116
CIE _{Lab}	30.49, -3.62, -7.99
CIE _{LCh}	30, 8.771, 245.643
Yxy	6.4376, 0.2688, 0.2987
Android (android.graphics.Color)	4282010196 (0xFF3A4A54)
YUV	70.3560, 6.7265, -10.8362
Hunter-Lab	25.3725, -3.6446, -4.0221

Details

The YIQ color **70.3560, -12.7460, -0.2820** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **71.6440, 12.7460, 0.2820**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.1710, -13.6630, -0.1830**, and **26.2420, -12.4250, -0.5930** is the 20% darker color. If you saturate the color by 10%, you get **66.2030, -16.6890, -0.4090**, and if you desaturate by 10%, it is **74.5090, -8.8030, -0.1550**.

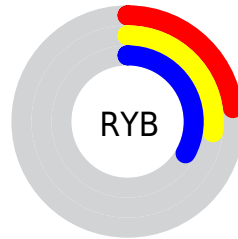
Distribution



 Red (23%)

 Green (29%)

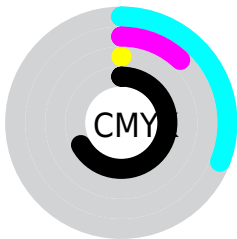
 Blue (33%)



 Red (23%)

 Yellow (27%)

 Blue (33%)

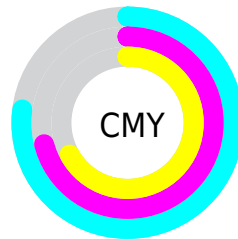


 Cyan (31%)

 Magenta (12%)

 Yellow (0%)

 Black (67%)



 Cyan (77%)

 Magenta (71%)

 Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.3560, -12.7460, -0.2820 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 70.3560, -12.7460, -0.2820 by changing the saturation by 10% instead.

■ 70.3560, -12.7460,
-0.2820

■ 70.3560, -12.7460,
-0.2820

■ 255.0000, -0.0000,
-0.0000

■ 47.6550, -12.1500,
-0.0700

■ 119.1710,
-13.6630, -0.1830

■ 26.2420, -12.4250,
-0.5930

■ 144.2850,
-13.9840, 0.1280

■ 4.5140, -7.1990,
3.8170

■ 171.2850,
-13.9840, 0.1280

■ 0.0000, 0.0000,
0.0000

■ 198.2850,
-13.9840, 0.1280

■ 226.6870,
-15.1760, -0.2960

■ 250.8140, -8.3440,

-2.9680

■ 70.3560, -12.7460,
-0.2820

■ 70.3560, -12.7460,
-0.2820

■ 66.2030, -16.6890,
-0.4090

■ 74.5090, -8.8030,
-0.1550

■ 61.7510, -21.2280,
-0.7480

■ 78.9610, -4.2640,
0.1840

■ 57.0110, -24.8960,
-0.3520

■ 83.7010, -0.5960,
-0.2120

■ 52.5590, -29.4350,
-0.6910

■ 88.1530, 3.9430,
0.1270

■ 48.4060, -33.3780,
-0.8180

■ 92.3060, 7.8860,
0.2540

■ 44.2530, -37.3210,
-0.9450

■ 96.4590, 11.8290,
0.3810

■ 40.1000, -41.2640,
-1.0720

■ 101.4980, 16.0930,
0.1970

■ 105.6510, 20.0360,
0.3240

■ 110.1030, 24.5750,
0.6630

Harmonies

Analogous

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



69.1770, -13.8000, -3.2080



70.3560, -12.7460, -0.2820



71.6880, -7.7490, 2.7710

Triad

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



70.3560, -12.7460, -0.2820



73.1370, 10.0400, 5.2720



70.7240, 0.5970, -5.3150

Complementary

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



70.3560, -12.7460, -0.2820



71.6440, 12.7460, 0.2820

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.



71.6000, 6.8780, -3.5060



70.3560, -12.7460, -0.2820



72.9260, 12.0120, 2.5720

Square

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



70.3560, -12.7460, -0.2820



73.3260, 5.1340, 6.0780



71.8610, 10.6370, -0.0430



69.7880, -5.4550, -5.7670

Rectangle

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



70.3560, -12.7460, -0.2820



72.1940, -3.3020, 4.7780



71.8610, 10.6370, -0.0430



70.8060, 3.3020, -4.7780

Sweetspot

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



70.3560, -12.7460, -0.2820



104.6620, -4.8600, -0.0280



74.4020, -10.3600, -10.4880



53.0320, -3.0260, -0.2260



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.



70.3560, -12.7460, -0.2820



88.3490, -20.0360, -0.3240



62.7250, -9.1710, 6.5170



38.6300, -1.8340, 0.1980



49.5380, -51.3050, -0.8170



110.3890, -113.7970, -2.6370

Inverse Universe

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



67.5980, 10.3600, 10.4880



84.1090, 16.4110, 16.4670



79.2750, 9.1710, -6.5170



38.4240, 1.7420, 1.4700



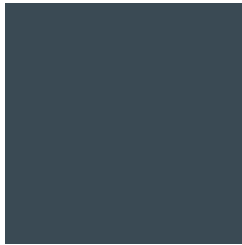
38.6910, 42.0360, 42.1640



85.6700, 92.3690, 93.6570

Previews

White Background



This preview shows how the YIQ color 70.3560, -12.7460, -0.2820 looks on a white background.

Color Contrast Check

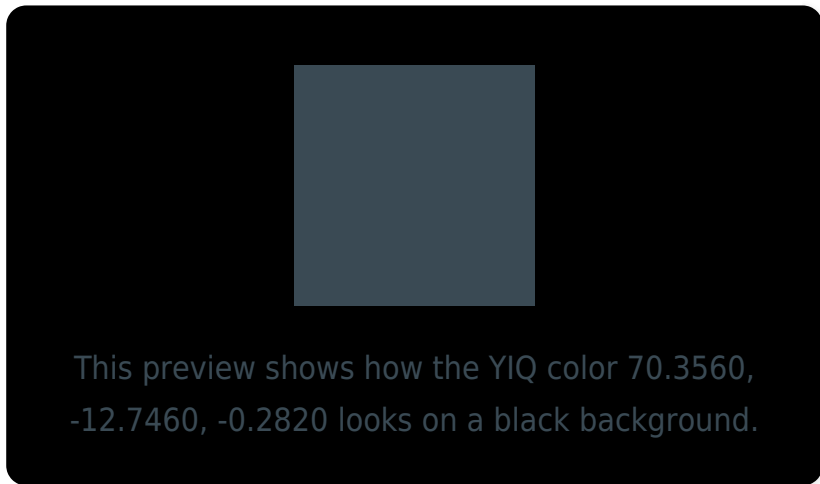
Large Text (above 18pt) WCAG AA ✓ Pass

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

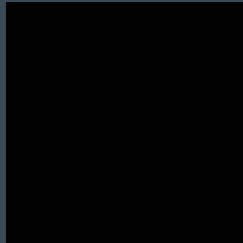
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

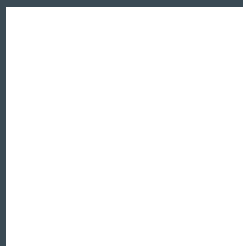
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 70.3560, -12.7460, -0.2820

Background



This preview shows how black text looks on a background with the YIQ color 70.3560, -12.7460, -0.2820.



This preview shows how white text looks on a background with the YIQ color 70.3560, -12.7460,

-0.2820.

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

70.3560, -12.7460, -0.2820

Protanopia

71.9550, -4.1270, 3.2090

Deuteranopia

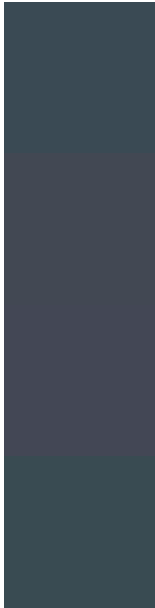
72.3080, -3.6230, 5.0890



Tritanopia

70.3020, -12.6540, -1.9500

Trichromacy



Original Color

70.3560, -12.7460, -0.2820

Protanomaly

71.4600, -7.1070, 2.1490

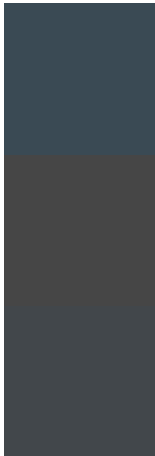
Deuteranomaly

71.4000, -6.8780, 3.5060

Tritanomaly

70.4160, -12.9750, -1.6390

Monochromacy



Original Color

70.3560, -12.7460, -0.2820

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.9610, -4.2640, 0.1840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.3560, -12.7460, -0.2820 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(58, 74, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 74, 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(58, 74, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 74, 84) }
```

Border

The CSS property to change the border of an element to YIQ 70.3560, -12.7460, -0.2820 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(58, 74, 84) }
```


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

```
.border{ border-color:rgb(58, 74, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 74, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 74, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 74, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 74, 84)  
}
```

Background

The CSS property to change the background color of an element to YIQ 70.3560, -12.7460, -0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 74, 84) }
```

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

```
.background{ background-color: rgb(58, 74,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor