

Converting Colors

YIQ(38.2360, -21.4560, -7.6320)

Have a look what the booklet for
YIQ(38.2360, -21.4560, -7.6320)
contains.

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Color

**YIQ(38.2360, -21.4560,
-7.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	0D3131
RGB	13, 49, 49
RGB Percent	5%, 19%, 19%
CMY	0.9491, 0.8078, 0.8079
CMYK	0.74, 0.00, 0.00, 0.81
HSL	180°, 58%, 12%
HSV	180°, 74%, 19%
XYZ	1.8185, 2.5049, 3.2910
YIQ	38.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

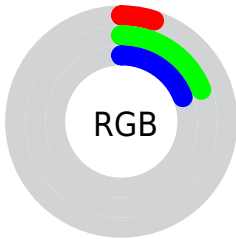
Format	Color
R_{YB}	13, 31, 49
Decimal	864561
CIE _{Lab}	17.94, -12.57, -3.78
CIE _{LCh}	18, 13.122, 196.748
Yxy	2.5049, 0.2388, 0.3290
Android (android.graphics.Color)	4279054641 (0xFF0D3131)
YUV	38.2360, 5.3067, -22.1320
Hunter-Lab	15.8267, -7.1868, -1.2499

Details

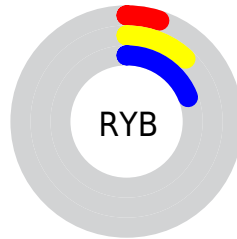
The YIQ color **38.2360, -21.4560, -7.6320** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23.7640, 21.4560, 7.6320**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **84.8340, -20.2640, -7.2080**, and **0.1140, -0.3210, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **36.7410, -24.4360, -8.6920**, and if you desaturate by 10%, it is **39.7310, -18.4760, -6.5720**.

Distribution



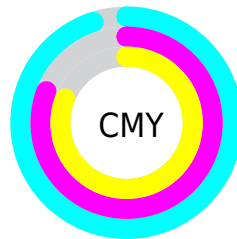
- Red (5%)
- Green (19%)
- Blue (19%)



- Red (5%)
- Yellow (12%)
- Blue (19%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (81%)



- Cyan (95%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.2360, -21.4560, -7.6320 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 38.2360, -21.4560, -7.6320 by changing the saturation by 10% instead.

■ 38.2360, -21.4560,
-7.6320

■ 38.2360, -21.4560,
-7.6320

■ 252.3090, -5.3640,
-1.9080

■ 19.6280, -16.6880,
-5.9360

■ 84.8340, -20.2640,
-7.2080

■ 0.1140, -0.3210,
0.3110

■ 109.5350,
-20.8600, -7.4200

■ 0.0000, 0.0000,
0.0000

■ 135.1220,
-21.1350, -7.9430


■ 161.8230,
-21.7310, -8.1550


■ 188.5240,
-22.3270, -8.3670


■ 216.5240,


-22.3270, -8.3670


 243.9370,
-22.0520, -7.8440


 38.2360, -21.4560,
-7.6320


 38.2360, -21.4560,
-7.6320


 36.7410, -24.4360,
-8.6920


 39.7310, -18.4760,
-6.5720


 35.2460, -27.4160,
-9.7520

 41.2260, -15.4960,
-5.5120

 34.3490, -29.2040,
-10.3880

 42.7210, -12.5160,
-4.4520

 44.2160, -9.5360,
-3.3920

 45.4120, -7.1520,
-2.5440

■ 46.9070, -4.1720,
-1.4840

■ 48.4020, -1.1920,
-0.4240

■ 49.8970, 1.7880,
0.6360

■ 51.3920, 4.7680,
1.6960

Harmonies

Analogous

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



40.0860, -12.2860, -8.6220



38.2360, -21.4560, -7.6320



38.5610, -23.7490, -4.6210

Triad

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



38.2360, -21.4560, -7.6320



45.5260, 1.6950, 7.8310



43.7640, 12.2880, -2.4320

Complementary

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



38.2360, -21.4560, -7.6320



23.7640, 21.4560, 7.6320

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.



44.3670, 15.0840, 1.9640



38.2360, -21.4560, -7.6320



45.1310, 10.1770, 8.2970

Square

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



38.2360, -21.4560, -7.6320



43.9700, -8.4830, 5.0610



45.0020, 14.8540, 6.1340



42.8340, 6.0990, -5.9090

Rectangle

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



38.2360, -21.4560, -7.6320



40.5230, -20.5860, -1.3700



45.0020, 14.8540, 6.1340



44.1880, 14.0300, -0.9620

Sweetspot

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



38.2360, -21.4560, -7.6320



59.8140, -8.3440, -2.9680



34.4310, -9.3040, -18.6160



30.6080, -4.7680, -1.6960



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



38.2360, -21.4560, -7.6320



47.2560, -33.3760, -11.8720



28.2570, -16.7810, 1.2590



24.9890, -1.4670, -0.9470



62.3890, -53.0440, -18.8680



152.1170, -129.3320, -46.0040

Inverse Universe

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



23.7640, 21.4560, 7.6320



24.7440, 33.3760, 11.8720



33.7430, 16.7810, -1.2590



23.8970, 1.7880, 0.6360



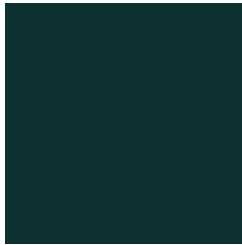
26.6110, 53.0440, 18.8680



64.8830, 129.3320, 46.0040

Previews

White Background



This preview shows how the YIQ color 38.2360, -21.4560, -7.6320 looks on a white background.

Color Contrast Check

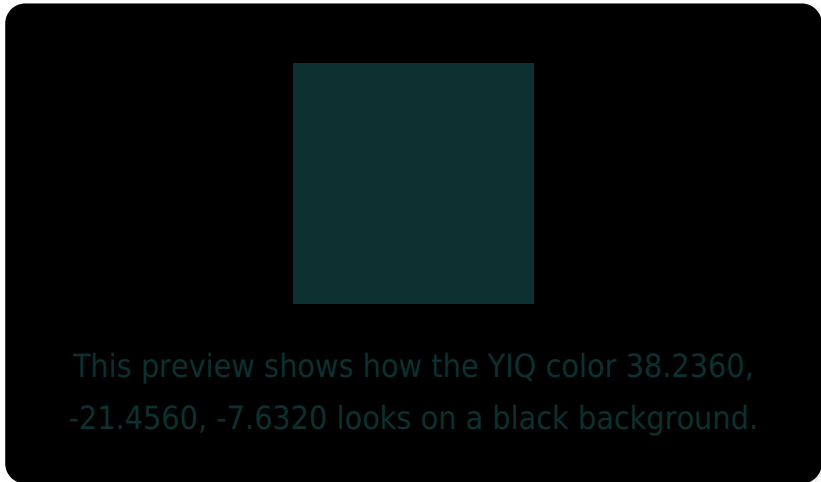
Large Text (above 18pt) WCAG AA ✓ Pass

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

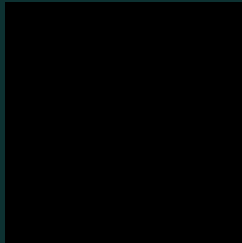
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

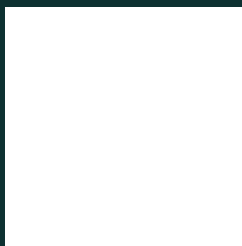
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 38.2360, -21.4560, -7.6320

Background



This preview shows how black text looks on a background with the YIQ color 38.2360, -21.4560, -7.6320.



This preview shows how white text looks on a background with the YIQ color 38.2360, -21.4560,

-7.6320.

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

38.2360, -21.4560, -7.6320

Protanopia

44.2280, -0.6420, 0.6220

Deuteranopia

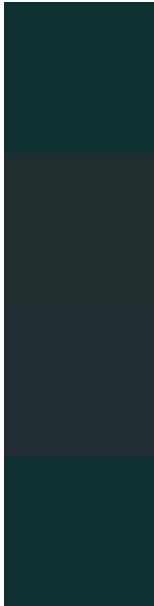
44.3960, -1.0550, 2.6010



Tritanopia

38.5890, -20.9520, -5.7520

Trichromacy



Original Color

38.2360, -21.4560, -7.6320

Protanomaly

42.2270, -8.0690, -2.4450

Deuteranomaly

41.9820, -8.7570, -0.9890

Tritanomaly

38.1760, -21.2270, -6.2750

Monochromacy



Original Color

38.2360, -21.4560, -7.6320

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.1130, -7.7480, -2.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.2360, -21.4560, -7.6320 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(13, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(13, 49, 49)  
}
```

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(13, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 49, 49) }
```

Border

The CSS property to change the border of an element to YIQ 38.2360, -21.4560, -7.6320 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(13, 49, 49) }
```


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

```
.border{ border-color:rgb(13, 49, 49) }
```

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

Here you see how a box with a 4 pixel rgb(13, 49, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(13, 49, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.2360, -21.4560, -7.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 49, 49) }
```

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

```
.background{ background-color: rgb(13, 49,  
49) }
```

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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