

Converting Colors

YIQ(46.5100, -10.5440, -7.1520)

Have a look what the booklet for
YIQ(46.5100, -10.5440, -7.1520)
contains.

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Color

**YIQ(46.5100, -10.5440,
-7.1520)**

Conversions

Conversions Part 1

Format	Color
Hex	20362E
RGB	32, 54, 46
RGB Percent	13%, 21%, 18%
CMY	0.8746, 0.7882, 0.8196
CMYK	0.41, 0.00, 0.15, 0.79
HSL	158°, 26%, 17%
HSV	158°, 41%, 21%
XYZ	2.4078, 3.1432, 3.0636
YIQ	46.5100, -10.5440, -7.1520

Conversions

Conversions Part 2

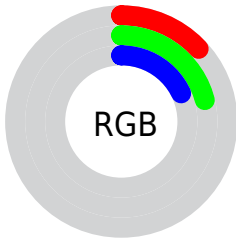
Format	Color
R_{YB}	32, 45, 54
Decimal	2111022
CIE _{Lab}	20.61, -10.95, 2.29
CIE _{LCh}	21, 11.186, 168.199
Yxy	3.1432, 0.2795, 0.3649
Android (android.graphics.Color)	4280301102 (0xFF20362E)
YUV	46.5100, -0.2514, -12.7253
Hunter-Lab	17.7291, -6.7841, 2.1650

Details

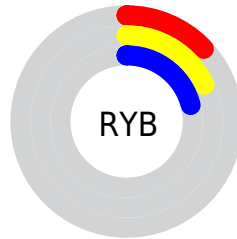
The YIQ color **46.5100, -10.5440, -7.1520** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **39.4900, 10.5440, 7.1520**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.7980, -11.4150, -7.8870**, and **2.3480, -1.1000, -2.0920** is the 20% darker color. If you saturate the color by 10%, you get **44.7870, -12.8820, -8.8340**, and if you desaturate by 10%, it is **48.2330, -8.2060, -5.4700**.

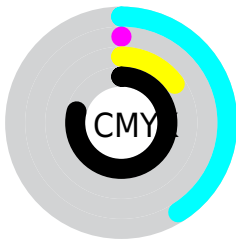
Distribution



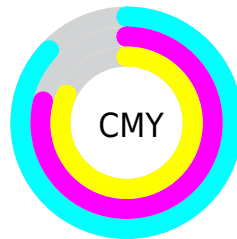
- Red (13%)
- Green (21%)
- Blue (18%)



- Red (13%)
- Yellow (18%)
- Blue (21%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (79%)



- Cyan (87%)
- Magenta (79%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5100, -10.5440, -7.1520 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 46.5100, -10.5440, -7.1520 by changing the saturation by 10% instead.

■ 46.5100, -10.5440,
-7.1520

■ 46.5100, -10.5440,
-7.1520

■ 255.0000, -0.0000,
-0.0000

■ 25.5100, -10.5440,
-7.1520

■ 92.7980, -11.4150,
-7.8870

■ 2.3480, -1.1000,
-2.0920

■ 117.3850,
-11.6900, -8.4100

■ 0.0000, 0.0000,
0.0000

■ 143.3850,
-11.6900, -8.4100


■ 169.9720,
-11.9650, -8.9330


■ 196.9720,
-11.9650, -8.9330


■ 224.6730,


-12.5610, -9.1450


 248.6780,
-10.9570, -5.1730


 46.5100, -10.5440,
-7.1520


 46.5100, -10.5440,
-7.1520


 44.7870, -12.8820,
-8.8340


 48.2330, -8.2060,
-5.4700


 42.7650, -15.8160,
-10.7280


 50.2550, -5.2720,
-3.5760

 41.0420, -18.1540,
-12.4100

 51.9780, -2.9340,
-1.8940

 39.0200, -21.0880,
-14.3040

 54.0000, -0.0000,
0.0000

 37.2970, -23.4260,
-15.9860

 55.7230, 2.3380,
1.6820

■ 35.5740, -25.7640,
-17.6680

■ 57.4460, 4.6760,
3.3640

■ 59.4680, 7.6100,
5.2580

■ 61.1910, 9.9480,
6.9400

■ 63.2130, 12.8820,
8.8340

Harmonies

Analogous

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



47.7020, -2.3370, -7.2090



46.5100, -10.5440, -7.1520



45.6280, -16.6880, -5.9360

Triad

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



46.5100, -10.5440, -7.1520



49.9270, -6.9240, 4.3400



49.8830, 13.5710, 1.8510

Complementary

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



46.5100, -10.5440, -7.1520



39.4900, 10.5440, 7.1520

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.



50.6920, 12.7910, 4.9750



46.5100, -10.5440, -7.1520



50.9990, 1.7410, 6.9970

Square

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



46.5100, -10.5440, -7.1520



47.8120, -14.0300, 0.9620



51.0060, 9.0310, 7.0390



49.6930, 11.0500, -2.0220

Rectangle

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



46.5100, -10.5440, -7.1520



45.8990, -18.8890, -4.5930



51.0060, 9.0310, 7.0390



50.4100, 13.5250, 2.6850

Sweetspot

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



46.5100, -10.5440, -7.1520



68.2660, -3.8050, -2.6290



47.3060, -1.2820, -9.8100



34.2770, -2.3380, -1.6820



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



46.5100, -10.5440, -7.1520



59.1670, -17.0080, -11.1520



45.6610, -12.2870, -3.0950



26.9890, -1.4670, -0.9470



60.6160, -43.9180, -30.0780



144.3990, -104.8440, -71.3080

Inverse Universe

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



39.4900, 10.5440, 7.1520



47.9470, 16.6870, 11.4630



40.3390, 12.2870, 3.0950



26.0110, 1.4670, 0.9470



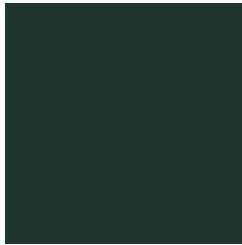
31.2700, 44.2390, 29.7670



74.6010, 104.8440, 71.3080

Previews

White Background



This preview shows how the YIQ color 46.5100, -10.5440, -7.1520 looks on a white background.

Color Contrast Check

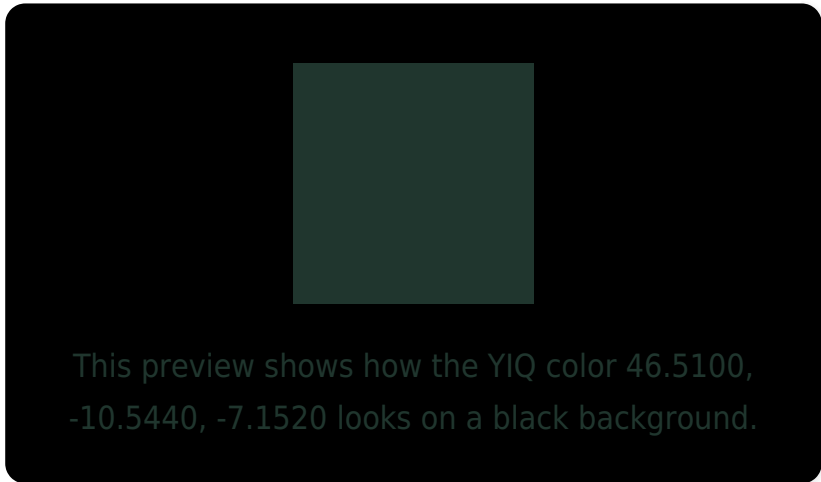
Large Text (above 18pt) WCAG AA ✓ Pass

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

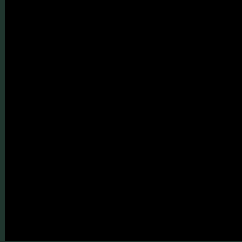
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.5100, -10.5440, -7.1520

Background



This preview shows how black text looks on a background with the YIQ color 46.5100, -10.5440, -7.1520.



This preview shows how white text looks on a background with the YIQ color 46.5100, -10.5440,

-7.1520.

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

46.5100, -10.5440, -7.1520

Protanopia

49.3270, 3.3930, -0.9190

Deuteranopia

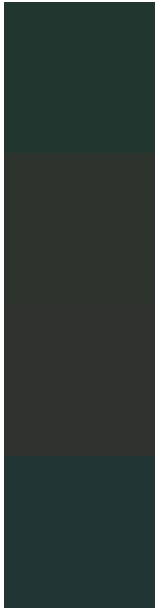
49.9790, 4.4930, 1.1730



Tritanopia

47.4870, -11.7370, -2.0490

Trichromacy



Original Color

46.5100, -10.5440, -7.1520

Protanomaly

48.5220, -1.6500, -3.1380

Deuteranomaly

48.7610, -0.8250, -1.5690

Tritanomaly

47.3190, -11.3240, -4.0280

Monochromacy



Original Color

46.5100, -10.5440, -7.1520

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.2660, -3.8050, -2.6290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.5100, -10.5440, -7.1520 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(32, 54, 46)` looks like.

```
.text, #text, p{  
    color:rgb(32, 54, 46)  
}
```

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(32, 54, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 54, 46) }
```

Border

The CSS property to change the border of an element to YIQ 46.5100, -10.5440, -7.1520 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(32, 54, 46) }
```


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

```
.border{ border-color:rgb(32, 54, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 54, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 54, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 54, 46);  
box-shadow:4px 4px 4px 4px rgb(32, 54, 46)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.5100, -10.5440, -7.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 54, 46) }
```

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

```
.background{ background-color: rgb(32, 54,  
46) }
```

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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