

# Converting Colors

YIQ(110.2200, -7.3320,  
-21.3160)

Have a look what the booklet for  
YIQ(110.2200, -7.3320, -21.3160)  
contains.

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# Color

**YIQ(110.2200, -7.3320,  
-21.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A7E52
RGB	90, 126, 82
RGB Percent	35%, 49%, 32%
CMY	0.6472, 0.5058, 0.6784
CMYK	0.29, 0.00, 0.35, 0.51
HSL	109°, 21%, 41%
HSV	109°, 35%, 49%
XYZ	13.1995, 17.7070, 10.7050
YIQ	110.2200, -7.3320, -21.3160

# Conversions

## Conversions Part 2

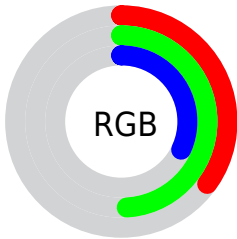
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 126, 118
Decimal	5930578
CIE <sub>Lab</sub>	49.14, -21.84, 20.00
CIE <sub>LCh</sub>	49, 29.617, 137.523
Yxy	17.7070, 0.3172, 0.4255
Android (android.graphics.Color)	4284120658 (0xFF5A7E52)
YUV	110.2200, -13.9125, -17.7329
Hunter-Lab	42.0797, -17.6479, 14.3725

# Details

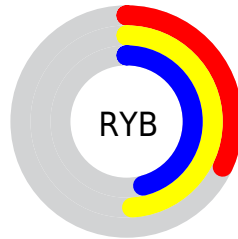
The YIQ color  $110.2200, -7.3320, -21.3160$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $97.7800, 7.3320, 21.3160$ , and the grayscale version is  $110.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $162.2800, -7.5610, -22.6730$ , and  $61.8610, -7.6990, -20.1710$  is the 20% darker color. If you saturate the color by 10%, you get  $105.7480, -9.1190, -27.4790$ , and if you desaturate by 10%, it is  $114.6920, -5.5450, -15.1530$ .

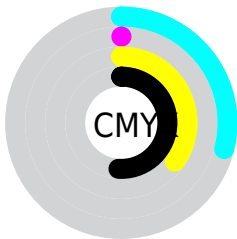
# Distribution



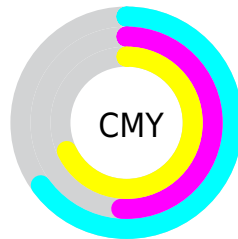
- Red (35%)
- Green (49%)
- Blue (32%)



- Red (32%)
- Yellow (49%)
- Blue (46%)



- Cyan (29%)
- Magenta (0%)
- Yellow (35%)
- Black (51%)



- Cyan (65%)
- Magenta (51%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 110.2200, -7.3320, -21.3160 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 110.2200, -7.3320, -21.3160 by changing the saturation by 10% instead.



■ 110.2200, -7.3320,  
-21.3160

■ 110.2200, -7.3320,  
-21.3160

■ 255.0000, -0.0000,  
-0.0000

■ 85.7470, -7.3780,  
-20.4820

■ 162.2800, -7.5610,  
-22.6730

■ 61.8610, -7.6990,  
-20.1710

■ 189.7530, -7.5150,  
-23.5070

■ 39.0890, -8.3410,  
-19.5490

■ 217.3400, -7.7900,  
-24.0300

■ 19.3710, -9.0750,  
-17.2590

■ 240.9430, -4.9940,  
-19.6340

■ 0.0000, 0.0000,  
0.0000

■ 252.5070, 2.7060,  
-4.9900

■ 110.2200, -7.3320,  
-21.3160

■ 110.2200, -7.3320,  
-21.3160

■ 105.7480, -9.1190,  
-27.4790

■ 114.6920, -5.5450,  
-15.1530

■ 101.0910,  
-11.8230, -33.5430

■ 119.3490, -2.8410,  
-9.0890

■ 96.6190, -13.6100,  
-39.7060

■ 123.8210, -1.0540,  
-2.9260

■ 92.2610, -15.7180,  
-45.5580

■ 128.1790, 1.0540,  
2.9260

■ 87.4900, -18.1010,  
-51.9330

■ 132.9500, 3.4370,  
9.3010

■ 83.0180, -19.8880,  
-58.0960

■ 137.4220, 5.2240,  
15.4640

■ 80.8390, -20.9420,  
-61.0220

■ 141.7800, 7.3320,  
21.3160

■ 146.5510, 9.7150,

27.6910

■ 150.9090, 11.8230,  
33.5430

# Harmonies

## Analogous

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



113.4740, 15.5000, -16.5960



110.2200, -7.3320, -21.3160



104.7360, -35.2080, -22.7280

# Triad

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



110.2200, -7.3320, -21.3160



108.3640, -50.7550, 0.2290



118.9020, 38.9230, 15.9710

# Complementary

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



110.2200, -7.3320, -21.3160



97.7800, 7.3320, 21.3160

# 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.



119.6590, 26.7260, 22.2620



110.2200, -7.3320, -21.3160



116.7100, -22.0100, 13.4300

# Square

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



110.2200, -7.3320, -21.3160



93.4750, -82.5250, -18.7250



120.1110, 4.9020, 21.3020



117.2360, 40.4380, 5.0300



# Rectangle

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



110.2200, -7.3320, -21.3160



99.1880, -57.0320, -23.6880



120.1110, 4.9020, 21.3020



118.9280, 36.0340, 18.7700

# Sweetspot

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



110.2200, -7.3320, -21.3160



157.2890, -2.6120, -7.7320



116.2880, 16.3240, -9.5000



78.4680, -1.5580, -4.8060



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



110.2200, -7.3320, -21.3160



138.5040, -11.5480, -33.0200



109.4240, -16.5940, -18.6580



61.7070, -0.7330, -3.2370



82.0130, -21.4920, -62.0680



0.0000, 0.0000, 0.0000



# Inverse Universe

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



97.7800, 7.3320, 21.3160



119.4960, 11.5480, 33.0200



98.5760, 16.5940, 18.6580



59.5920, 1.3290, 3.4490



45.6880, 20.8960, 61.8560



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 110.2200, -7.3320, -21.3160 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 × Fail



# Black Background



This preview shows how the YIQ color 110.2200, -7.3320, -21.3160 looks on a black 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 × Fail

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

# YIQ 110.2200, -7.3320, -21.3160

## Background



This preview shows how black text looks on a background with the YIQ color 110.2200, -7.3320, -21.3160.



This preview shows how white text looks on a background with the YIQ color 110.2200, -7.3320,

-21.3160.

# 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

110.2200, -7.3320, -21.3160

### Protanopia

114.6580, 18.1580, -9.6980

### Deuteranopia

116.6960, 24.1630, -2.8850



## Tritanopia

114.5620, -16.3220, -1.5540

# Trichromacy



## Original Color

110.2200, -7.3320, -21.3160

## Protanomaly

113.2330, 8.9890, -14.2350

## Deuteranomaly

114.4340, 12.9770, -9.4150

## Tritanomaly

112.9010, -13.2030, -8.5230

# Monochromacy



## Original Color

110.2200, -7.3320, -21.3160

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

110.2890, -2.6120, -7.7320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 110.2200, -7.3320, -21.3160 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(90, 126, 82)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 82)  
}
```

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(90, 126, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 82) }
```

## Border

The CSS property to change the border of an element to YIQ 110.2200, -7.3320, -21.3160 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(90, 126, 82) }
```



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

```
.border{ border-color:rgb(90, 126, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 82);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
82) }
```

# Background

The CSS property to change the background color of an element to YIQ 110.2200, -7.3320, -21.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 82) }
```

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

```
.background{ background-color: rgb(90, 126,  
82) }
```

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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