

# Converting Colors

YIQ(140.2950, -38.2800,  
-22.1200)

Have a look what the booklet for  
YIQ(140.2950, -38.2800, -22.1200)  
contains.

<b>YIQ(140.2950, -38.2800, -22.1200)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(140.2950, -38.2800,  
-22.1200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AA591
RGB	90, 165, 145
RGB Percent	35%, 65%, 57%
CMY	0.6472, 0.3528, 0.4315
CMYK	0.45, 0.00, 0.12, 0.35
HSL	164°, 29%, 50%
HSV	164°, 45%, 65%
XYZ	22.7807, 31.1361, 31.5832
YIQ	140.2950, -38.2800, -22.1200

# Conversions

## Conversions Part 2

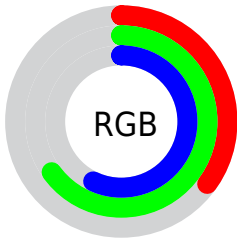
Format	Color
<a href="#">RYB</a>	<a href="#">90, 133, 165</a>
Decimal	<a href="#">5940625</a>
CIELab	<a href="#">62.62, -28.31, 3.16</a>
CIElCh	<a href="#">63, 28.481, 173.622</a>
Yxy	<a href="#">31.1361, 0.2664, 0.3642</a>
Android (android.graphics.Color)	<a href="#">4284130705 (0xFF5AA591)</a>
YUV	<a href="#">140.2950, 2.3196, -44.1087</a>
Hunter-Lab	<a href="#">55.7997, -24.7755, 5.5011</a>

# Details

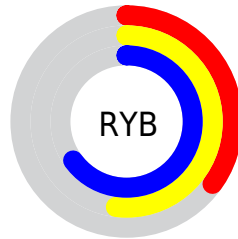
The YIQ color **140.2950, -38.2800, -22.1200** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **114.7050, 38.2800, 22.1200**, and the grayscale version is **140.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **194.8820, -38.5550, -22.6430**, and **87.3270, -41.3060, -22.3460** is the 20% darker color. If you saturate the color by 10%, you get **134.7560, -47.1280, -26.9680**, and if you desaturate by 10%, it is **145.5350, -30.0280, -17.4840**.

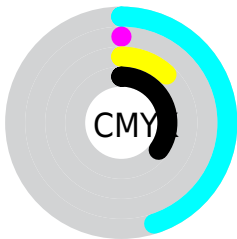
# Distribution



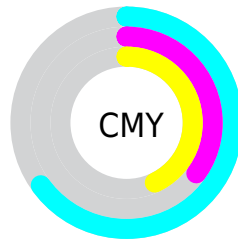
- Red (35%)
- Green (65%)
- Blue (57%)



- Red (35%)
- Yellow (52%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 140.2950, -38.2800, -22.1200 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 140.2950, -38.2800, -22.1200 by changing the saturation by 10% instead.



■ 140.2950,  
-38.2800, -22.1200

■ 140.2950,  
-38.2800, -22.1200

■ 255.0000, -0.0000,  
-0.0000

■ 113.4090,  
-38.6010, -21.8090

■ 194.8820,  
-38.5550, -22.6430

■ 87.3270, -41.3060,  
-22.3460

■ 223.4690,  
-38.8300, -23.1660

■ 59.7500, -46.9910,  
-23.9430

■ 238.5550,  
-32.7800, -11.6600

■ 43.1540, -33.3290,  
-18.2330

■ 247.2260,  
-15.4960, -5.5120

■ 27.2590, -20.2630,  
-12.7350

■ 10.0930, -4.9960,  
-8.5800

■ 0.0000, 0.0000,

0.0000

■ 140.2950,  
-38.2800, -22.1200

■ 140.2950,  
-38.2800, -22.1200

■ 134.7560,  
-47.1280, -26.9680

■ 145.5350,  
-30.0280, -17.4840

■ 129.4020,  
-55.0590, -31.9150

■ 151.1880,  
-21.5010, -12.3250

■ 123.8630,  
-63.9070, -36.7630

■ 156.4280,  
-13.2490, -7.6890

■ 118.5090,  
-71.8380, -41.7100

■ 162.0810, -4.7220,  
-2.5300

■ 112.9700,  
-80.6860, -46.5580

■ 167.3210, 3.5300,  
2.1060

■ 110.6490,  
-84.2160, -48.6640

■ 172.8600, 12.3780,  
6.9540

■ 178.2140, 20.3090,  
11.9010

■ 183.7530, 29.1570,  
16.7490

■ 189.1070, 37.0880,  
21.6960

# Harmonies

## Analogous

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



144.4690, -12.4670, -21.8670



140.2950, -38.2800, -22.1200



136.9800, -59.1420, -18.4860

# Triad

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



140.2950, -38.2800, -22.1200



152.8140, -16.3710, 15.8610



152.6550, 40.5760, 2.5280

# Complementary

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



140.2950, -38.2800, -22.1200



114.7050, 38.2800, 22.1200

# 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.



154.1040, 41.1700, 13.7940



140.2950, -38.2800, -22.1200



155.2750, 10.3120, 22.3760

# Square

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



140.2950, -38.2800, -22.1200



147.3760, -41.8610, 4.2430



154.9860, 30.1190, 21.3430



150.4160, 30.5830, -9.1050



# Rectangle

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



140.2950, -38.2800, -22.1200



137.7010, -62.4900, -12.8740



154.9860, 30.1190, 21.3430



152.7740, 41.8590, 6.8110

# Sweetspot

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



140.2950, -38.2800, -22.1200



204.1180, -15.3120, -8.8480



140.3040, -8.1090, -34.7730



101.0480, -9.1230, -5.3710



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



140.2950, -38.2800, -22.1200



175.1840, -60.3770, -34.6570



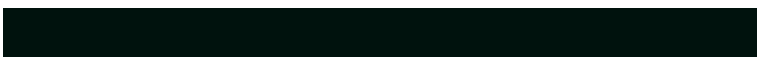
133.1830, -40.3000, -7.5320



78.9670, -4.4010, -2.8410



97.3130, -74.2220, -42.5580



12.0480, -9.1230, -5.3710



# Inverse Universe

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



114.7050, 38.2800, 22.1200



134.9300, 60.0560, 34.9680



121.8170, 40.3000, 7.5320



76.0330, 4.4010, 2.8410



47.8010, 73.9010, 42.8690

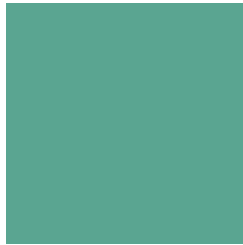


5.9520, 9.1230, 5.3710



# Previews

## White Background



This preview shows how the YIQ color 140.2950, -38.2800, -22.1200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

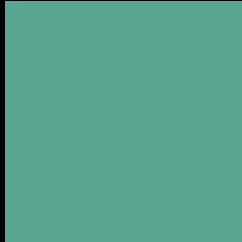
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 140.2950, -38.2800, -22.1200 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 ✓ Pass

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

# YIQ 140.2950, -38.2800, -22.1200 Background



This preview shows how black text looks on a background with the YIQ color 140.2950, -38.2800, -22.1200.



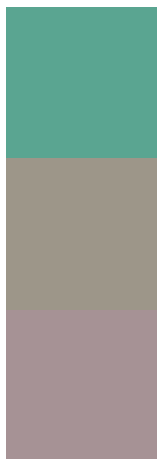
This preview shows how white text looks on a background with the YIQ color 140.2950, -38.2800, -22.1200.

-22.1200.

# 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

140.2950, -38.2800, -22.1200

### Protanopia

150.6110, 8.3450, -2.5590

### Deuteranopia

152.3220, 10.9570, 5.1730



## Tritanopia

143.6450, -41.7210, -9.3130

# Trichromacy



## Original Color

140.2950, -38.2800, -22.1200

## Protanomaly

146.7120, -8.2970, -9.3290

## Deuteranomaly

147.9450, -7.3350, -4.7350

## Tritanomaly

142.0810, -40.2530, -13.8930

# Monochromacy



## Original Color

140.2950, -38.2800, -22.1200

## Achromatopsia

140.0000, 0.0000, 0.0000

## Achromatomaly

140.1290, -13.8450, -7.9010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 140.2950, -38.2800, -22.1200 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, 165, 145)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 145)  
}
```

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, 165, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 145) }
```

## Border

The CSS property to change the border of an element to YIQ 140.2950, -38.2800, -22.1200 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, 165, 145) }
```



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

```
.border{ border-color:rgb(90, 165, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 145);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
145) }
```

# Background

The CSS property to change the background color of an element to YIQ 140.2950, -38.2800, -22.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 145) }
```

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

```
.background{ background-color: rgb(90, 165,  
145) }
```

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