

# Converting Colors

YIQ(150.2140, -78.2570,  
-41.0170)

Have a look what the booklet for  
YIQ(150.2140, -78.2570, -41.0170)  
contains.

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# Color

**YIQ(150.2140, -78.2570,  
-41.0170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32C6A7
RGB	50, 198, 167
RGB Percent	20%, 78%, 65%
CMY	0.8043, 0.2233, 0.3454
CMYK	0.75, 0.00, 0.16, 0.22
HSL	167°, 60%, 49%
HSV	167°, 75%, 78%
XYZ	28.4873, 43.8796, 43.4920
YIQ	150.2140, -78.2570, -41.0170

# Conversions

## Conversions Part 2

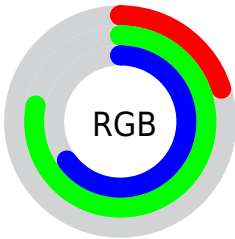
Format	Color
<a href="#">RYB</a>	<a href="#">50, 133, 198</a>
Decimal	<a href="#">3327655</a>
CIELab	<a href="#">72.15, -45.34, 4.69</a>
CIELCh	<a href="#">72, 45.578, 174.098</a>
Yxy	<a href="#">43.8796, 0.2459, 0.3787</a>
Android (android.graphics.Color)	<a href="#">4281517735 (0xFF32C6A7)</a>
YUV	<a href="#">150.2140, 8.2755, -87.8877</a>
Hunter-Lab	<a href="#">66.2417, -39.1588, 7.4414</a>

# Details

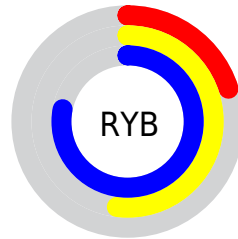
The YIQ color **150.2140, -78.2570, -41.0170** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **97.7860, 78.2570, 41.0170**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **210.5740, -70.4630, -39.0950**, and **97.0510, -76.2400, -39.0240** is the 20% darker color. If you saturate the color by 10%, you get **143.7780, -88.8930, -46.5010**, and if you desaturate by 10%, it is **156.6500, -67.6210, -35.5330**.

# Distribution



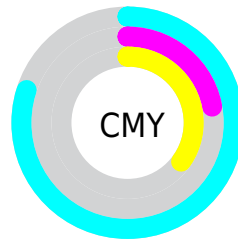
- Red (20%)
- Green (78%)
- Blue (65%)



- Red (20%)
- Yellow (52%)
- Blue (78%)



- Cyan (75%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (80%)
- Magenta (22%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 150.2140, -78.2570, -41.0170 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 150.2140, -78.2570, -41.0170 by changing the saturation by 10% instead.



■ 150.2140,  
-78.2570, -41.0170

■ 150.2140,  
-78.2570, -41.0170

■ 255.0000, -0.0000,  
-0.0000

■ 115.8640,  
-92.0110, -45.0590

■ 210.5740,  
-70.4630, -39.0950

■ 97.0510, -76.2400,  
-39.0240

■ 222.8500,  
-61.8920, -23.7160

■ 79.0530, -61.3860,  
-32.8900

■ 232.2760,  
-45.2960, -16.1120

■ 61.0550, -46.5320,  
-26.7560

■ 241.5450,  
-26.8200, -9.5400

■ 44.4590, -32.8700,  
-21.0460

■ 250.5150, -8.9400,  
-3.1800

■ 28.5640, -19.8040,  
-15.5480

■ 8.2180, -3.8500,

-7.3220

■ 0.0000, 0.0000,  
0.0000

■ 150.2140,  
-78.2570, -41.0170

■ 150.2140,  
-78.2570, -41.0170

■ 143.7780,  
-88.8930, -46.5010

■ 156.6500,  
-67.6210, -35.5330

■ 137.3420,  
-99.5290, -51.9850

■ 163.0860,  
-56.9850, -30.0490

■ 134.0100,  
-104.5260, -55.0380

■ 169.2230,  
-46.9450, -24.7770

■ 175.7730,  
-36.6300, -18.9820

■ 182.2090,  
-25.9940, -13.4980

■ 188.6450,  
-15.3580, -8.0140

■ 195.0810, -4.7220,  
-2.5300

■ 201.2180, 5.3180,  
2.7420

■ 207.6540, 15.9540,  
8.2260

# Harmonies

## Analogous

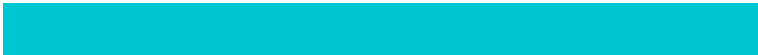
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



164.1220, -22.2760, -36.8360



150.2140, -78.2570, -41.0170



140.1660, -121.8600, -38.2440

# Triad

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



150.2140, -78.2570, -41.0170



178.2770, -27.5600, 25.9120



176.8720, 64.8300, 3.5020

# Complementary

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



150.2140, -78.2570, -41.0170



97.7860, 78.2570, 41.0170

# 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.



177.8900, 65.5600, 23.3200



150.2140, -78.2570, -41.0170



182.2410, 16.8200, 36.5960

# Square

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



150.2140, -78.2570, -41.0170



164.5860, -77.6230, 2.5770



180.5960, 49.3730, 35.8450



174.3560, 48.0070, -16.5130



# Rectangle

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



150.2140, -78.2570, -41.0170



141.7280, -129.0140, -29.7340



180.5960, 49.3730, 35.8450



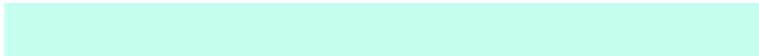
177.1700, 67.1670, 10.7110

# Sweetspot

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



150.2140, -78.2570, -41.0170



236.8880, -29.5240, -15.6040



146.4440, -21.6280, -70.6200



117.0360, -18.0170, -9.3850



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



150.2140, -78.2570, -41.0170



180.7580, -121.6720, -63.6880



129.0940, -76.6580, -9.4100



96.0810, -4.7220, -2.5300



110.3870, -86.2340, -45.1300



24.3240, -18.8880, -10.1200



# Inverse Universe

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



97.7860, 78.2570, 41.0170



99.3560, 121.3510, 63.9990



118.9060, 76.6580, 9.4100



92.9190, 4.7220, 2.5300



52.6130, 86.2340, 45.1300

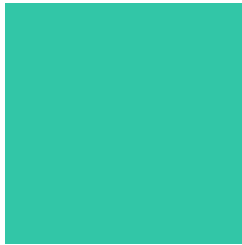


11.6760, 18.8880, 10.1200



# Previews

## White Background



This preview shows how the YIQ color 150.2140, -78.2570, -41.0170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

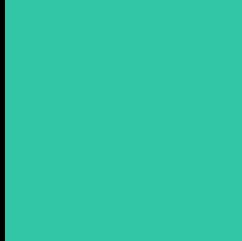
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 150.2140, -78.2570, -41.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

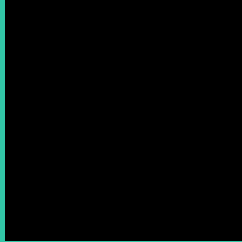
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

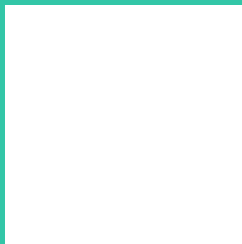
Any Text WCAG AAA ✓ Pass

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

# YIQ 150.2140, -78.2570, -41.0170 Background



This preview shows how black text looks on a background with the YIQ color 150.2140, -78.2570, -41.0170.



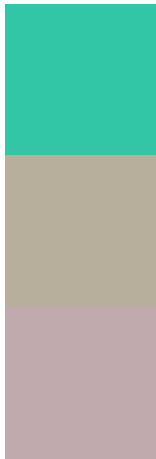
This preview shows how white text looks on a background with the YIQ color 150.2140, -78.2570, -41.0170.

-41.0170.

# 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

150.2140, -78.2570, -41.0170

### Protanopia

175.1120, 11.1880, -4.5240

### Deuteranopia

177.2190, 12.7450, 5.8090



## Tritanopia

158.2430, -76.0600, -20.2520

# Trichromacy



## Original Color

150.2140, -78.2570, -41.0170



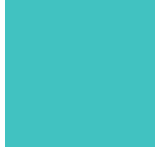
## Protanomaly

165.9120, -20.9040, -17.6400



## Deuteranomaly

167.3130, -20.3550, -11.0670



## Tritanomaly

155.3150, -76.5630, -27.6590

# Monochromacy



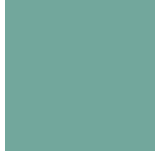
## Original Color

150.2140, -78.2570, -41.0170



## Achromatopsia

150.0000, -0.0000, -0.0000



## Achromatomaly

149.8990, -28.0570, -14.6570

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 150.2140, -78.2570, -41.0170 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(50, 198, 167)` looks like.

```
.text, #text, p{  
    color:rgb(50, 198, 167)  
}
```

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(50, 198, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 198, 167) }
```

## Border

The CSS property to change the border of an element to YIQ 150.2140, -78.2570, -41.0170 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(50, 198, 167) }
```



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

```
.border{ border-color:rgb(50, 198, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 198, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 198, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 198, 167);  
box-shadow:4px 4px 4px 4px rgb(50, 198,  
167) }
```

# Background

The CSS property to change the background color of an element to YIQ 150.2140, -78.2570, -41.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 198, 167) }
```

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

```
.background{ background-color: rgb(50, 198,  
167) }
```

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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