

Converting Colors

YIQ(158.4950, -87.5590,
-70.6870)

Have a look what the booklet for
YIQ(158.4950, -87.5590, -70.6870)
contains.

YIQ(158.4950, -87.5590, -70.6870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(158.4950, -87.5590,
-70.6870)**

Conversions

Conversions Part 1

Format	Color
Hex	1FE487
RGB	31, 228, 135
RGB Percent	12%, 89%, 53%
CMY	0.8789, 0.1055, 0.4709
CMYK	0.86, 0.00, 0.41, 0.11
HSL	152°, 79%, 51%
HSV	152°, 86%, 89%
XYZ	32.6954, 57.5688, 32.2844
YIQ	158.4950, -87.5590, -70.6870

Conversions

Conversions Part 2

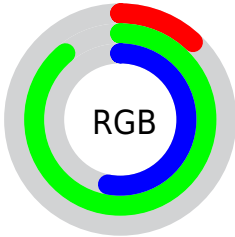
Format	Color
R _Y B	31, 160, 228
Decimal	2090119
CIE Lab	80.50, -65.60, 33.01
CIE LCh	80, 73.442, 153.289
Yxy	57.5688, 0.2668, 0.4698
Android (android.graphics.Color)	4280280199 (0xFF1FE487)
YUV	158.4950, -11.5830, -111.8131
Hunter-Lab	75.8741, -55.8611, 27.8840

Details

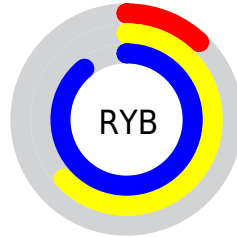
The YIQ color **158.4950, -87.5590, -70.6870** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **100.5050, 87.5590, 70.6870**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **205.6160, -62.2540, -50.2060**, and **109.9530, -73.9890, -63.3090** is the 20% darker color. If you saturate the color by 10%, you get **150.3640, -97.7360, -78.9840**, and if you desaturate by 10%, it is **166.6260, -77.3820, -62.3900**.

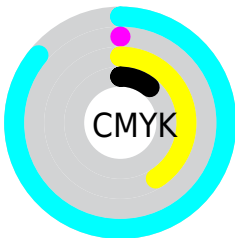
Distribution



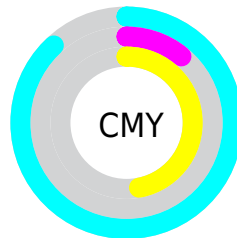
- Red (12%)
- Green (89%)
- Blue (53%)



- Red (12%)
- Yellow (63%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)



- Cyan (88%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 158.4950, -87.5590, -70.6870 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 158.4950, -87.5590, -70.6870 by changing the saturation by 10% instead.

■ 158.4950,
-87.5590, -70.6870

■ 158.4950,
-87.5590, -70.6870

■ 255.0000, -0.0000,
-0.0000

■ 129.2390,
-89.7140, -70.1780

■ 205.6160,
-62.2540, -50.2060

■ 109.9530,
-73.9890, -63.3090

■ 218.6750,
-51.5740, -34.5020

■ 91.2540, -58.5390,
-56.9630

■ 231.2500,
-42.4070, -18.9110

■ 72.7830, -43.7310,
-49.9950

■ 241.8440,
-26.2240, -9.3280

■ 53.9700, -27.9600,
-43.9600

■ 251.1130, -7.7480,
-2.7560

■ 38.1550, -17.8750,
-33.9950

■ 24.0670, -11.2750,

-21.4430

■ 1.7610, -0.8250,
-1.5690

■ 0.0000, 0.0000,
0.0000

■ 158.4950,
-87.5590, -70.6870

■ 158.4950,
-87.5590, -70.6870

■ 150.3640,
-97.7360, -78.9840

■ 166.6260,
-77.3820, -62.3900

■ 147.5160,
-101.2200, -81.9240

■ 174.3440,
-67.4800, -54.6160

■ 182.4750,
-57.3030, -46.3190

■ 190.6060,
-47.1260, -38.0220

■ 198.7370,
-36.9490, -29.7250

■ 206.8680,
-26.7720, -21.4280

■ 214.8850,
-16.2740, -13.4420

■ 222.7170, -6.6930,
-5.3570

■ 230.8480, 3.4840,
2.9400

Harmonies

Analogous

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



183.2850, 10.0970, -56.3590



158.4950, -87.5590, -70.6870



160.1410, -129.8800, -58.1040

Triad

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



158.4950, -87.5590, -70.6870



155.9830, -125.1180, -23.2460



177.1260, 70.4670, 16.9870

Complementary

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



158.4950, -87.5590, -70.6870



100.5050, 87.5590, 70.6870

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.



177.7200, 52.2600, 44.1000



158.4950, -87.5590, -70.6870



196.6450, -5.0490, 30.9430

Square

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



158.4950, -87.5590, -70.6870



159.9710, -143.1800, -37.3240



192.7780, 29.1500, 55.4380



186.2320, 80.6510, -13.4050

Rectangle

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



158.4950, -87.5590, -70.6870



164.9120, -144.6920, -42.9640



192.7780, 29.1500, 55.4380



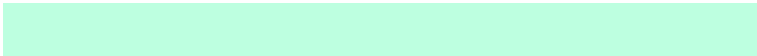
175.5250, 65.3300, 27.4900

Sweetspot

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



158.4950, -87.5590, -70.6870



231.7320, -29.3850, -23.6330



175.0440, 2.4450, -82.8910



113.8740, -17.7410, -14.3890



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.



158.4950, -87.5590, -70.6870



165.0750, -113.4600, -91.3800



167.3360, -116.5870, -40.1950



110.7280, -5.2260, -4.4100



115.7890, -79.3990, -64.3830



33.0150, -22.6920, -18.2760

Inverse Universe

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



100.5050, 87.5590, 70.6870



89.9250, 113.4600, 91.3800



91.6640, 116.5870, 40.1950



107.2720, 5.2260, 4.4100



63.0970, 79.7200, 64.0720



17.9850, 22.6920, 18.2760

Previews

White Background



This preview shows how the YIQ color 158.4950, -87.5590, -70.6870 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 158.4950, -87.5590, -70.6870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

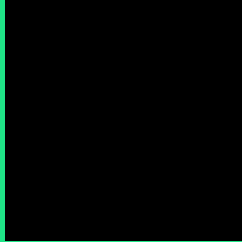
Any Text WCAG AA ✓ Pass

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 158.4950, -87.5590, -70.6870 Background



This preview shows how black text looks on a background with the YIQ color 158.4950, -87.5590, -70.6870.



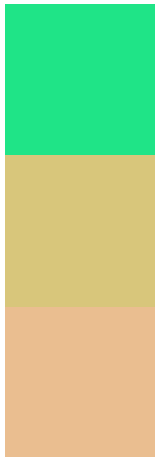
This preview shows how white text looks on a background with the YIQ color 158.4950, -87.5590, -70.6870.

-70.6870.

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

158.4950, -87.5590, -70.6870

Protanopia

194.8320, 34.8030, -19.5090

Deuteranopia

197.9120, 40.9900, -4.9780



Tritanopia

179.4810, -82.6620, -21.7500

Trichromacy



Original Color

158.4950, -87.5590, -70.6870



Protanomaly

181.7120, -9.4380, -38.2220



Deuteranomaly

183.6620, -6.0010, -28.9210



Tritanomaly

171.7450, -84.1260, -39.2780

Monochromacy



Original Color

158.4950, -87.5590, -70.6870



Achromatopsia

158.0000, -0.0000, 0.0000



Achromatomaly

158.0090, -31.7230, -25.3150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 158.4950, -87.5590, -70.6870 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(31, 228, 135)` looks like.

```
.text, #text, p{  
    color:rgb(31, 228, 135)  
}
```

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(31, 228, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 228, 135) }
```

Border

The CSS property to change the border of an element to YIQ 158.4950, -87.5590, -70.6870 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(31, 228, 135) }
```


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

```
.border{ border-color:rgb(31, 228, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 228, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 228, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 228, 135);  
box-shadow:4px 4px 4px 4px rgb(31, 228,  
135) }
```

Background

The CSS property to change the background color of an element to YIQ 158.4950, -87.5590, -70.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 228, 135) }
```

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

```
.background{ background-color: rgb(31, 228,  
135) }
```

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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