Converting Colors

YIQ(176.7860, -109.7070, -54.7550)

Have a look what the booklet for YIQ(176.7860, -109.7070, -54.7550) contains.

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Color

YIQ(176.7860, -109.7070, -54.7550)

Conversions

Conversions Part 1

Format	Color
Hex	26F2CD
RGB	38, 242, 205
RGB Percent	15%, 95%, 80%
CMY	0.8514, 0.0506, 0.1965
CMYK	0.84, 0.00, 0.15, 0.05
HSL	169°, 89%, 55%
HSV	169°, 84%, 95%
XYZ	43.5791, 68.3676, 68.5914
YIQ	176.7860, -109.7070, -54.7550

Conversions

Conversions Part 2

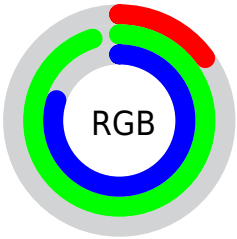
Format	Color
RYB	38, 150, 242
Decimal	2552525
CIELab	86.19, -54.92, 4.74
CIELCh	86, 55.126, 175.066
Yxy	68.3676, 0.2414, 0.3787
Android (android.graphics.Color)	4280742605 (0xFF26F2CD)
YUV	176.7860, 13.9095, -121.7153
Hunter-Lab	82.6847, -50.6196, 8.6951

Details

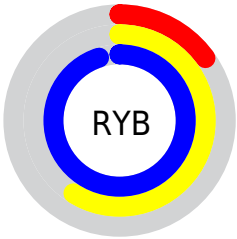
The YIQ color 176.7860, -109.7070, -54.7550 is a light color, and the websafe version is hex 33FFCC. The color can be described as light washed cyan. A complement of this color would be 103.2140, 109.7070, 54.7550, and the grayscale version is 177.0000, -0.0000, 0.0000.

A 20% lighter version of the original color is 215.5320, -78.6720, -27.9840, and 125.8090, -99.3460, -49.7940 is the 20% darker color. If you saturate the color by 10%, you get 169.0400, -122.4060, -61.3980, and if you desaturate by 10%, it is 184.4180, -96.6870, -48.4230.

Distribution

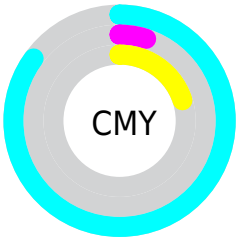


- Red (15%)
- Green (95%)
- Blue (80%)



- Red (15%)
- Yellow (59%)
- Blue (95%)

- Cyan (84%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)



- Cyan (85%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 176.7860, -109.7070, -54.7550 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 176.7860, -109.7070, -54.7550 by changing the saturation by 10% instead.

176.7860, -109.7070, -54.7550

255.0000, -0.0000, -0.0000

215.5320, -78.6720, -27.9840

225.3990, -59.0040, -20.9880

235.2660, -39.3360, -13.9920

244.5350, -20.8600, -7.4200

254.1030, -1.7880, -0.6360

176.7860, -109.7070, -54.7550

145.2090, -115.3920, -56.3520

125.8090, -99.3460, -49.7940

106.4090, -83.3000, -43.2360

87.7100, -67.8500, -36.8900

69.7120, -52.9960, -30.7560

51.9420, -38.7840, -24.0000

35.3460, -25.1220,

-18.2900

18.7500, -11.4600, -12.5800

0.0000, 0.0000, 0.0000

176.7860, -109.7070, -54.7550

169.0400, -122.4060, -61.3980

164.6260, -130.1080, -64.9880

176.7860, -109.7070, -54.7550

184.4180, -96.6870, -48.4230

192.1640, -83.9880, -41.7800

200.0950, -70.3720, -35.2360

207.8410, -57.6730, -28.5930

215.4730, -44.6530, -22.2610

223.1050, -31.6330, -15.9290

230.8510, -18.9340, -9.2860

238.7820, -5.3180, -2.7420

246.2290, 6.7850, 3.6890

Harmonies

Analogous

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

198.8340, -30.5730, -46.1650

176.7860, -109.7070, -54.7550

171.1240, -148.4050, -47.2610

Triad

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

176.7860, -109.7070, -54.7550

211.2980, -14.8580, 15.9740

203.2960, 57.4040, -5.0920

Complementary

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

176.7860, -109.7070, -54.7550

103.2140, 109.7070, 54.7550

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.

199.3930, 47.7260, 16.1260

176.7860, -109.7070, -54.7550

214.4970, 18.9750, 36.0870

Square

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

176.7860, -109.7070, -54.7550

192.8500, -79.0870, -14.9510

203.5600, 31.8590, 33.8670

212.0550, 58.9200, -21.5600

Rectangle

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

176.7860, -109.7070, -54.7550

169.3630, -147.5800, -45.6920

203.5600, 31.8590, 33.8670

201.2560, 54.8810, 2.0890

Sweetspot

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

176.7860, -109.7070, -54.7550

234.4960, -34.2920, -17.3000

168.8110, -34.0480, -98.8480

115.5410, -20.9970, -10.4450

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.

176.7860, -109.7070, -54.7550

173.5110, -137.2140, -68.3660

142.8490, -103.7090, -9.2530

116.1840, -6.5100, -3.1660

125.1080, -98.7500, -49.5820

38.1160, -30.1660, -14.9820

Inverse Universe

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

103.2140, 109.7070, 54.7550

81.4890, 137.2140, 68.3660

137.1510, 103.7090, 9.2530

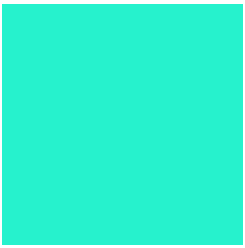
111.8160, 6.5100, 3.1660

58.7780, 99.0710, 49.2710

17.8840, 30.1660, 14.9820

Previews

White Background

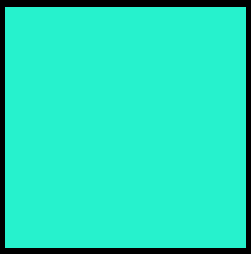


This preview shows how the YIQ color 176.7860, -109.7070, -54.7550 looks on a white background.

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 176.7860, -109.7070, -54.7550 looks on a black background.

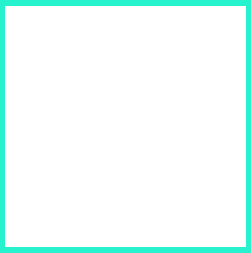
Color Contrast Check

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 176.7860, -109.7070, -54.7550 Background

This preview shows how black text looks on a background with the YIQ color 176.7860, -109.7070, -54.7550.



This preview shows how white text looks on a background with the YIQ color 176.7860, -109.7070,

-54.7550.

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

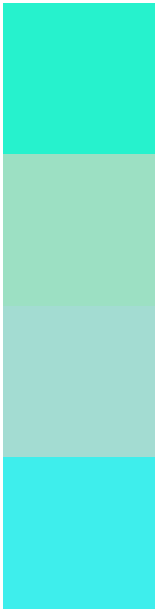
Original Color
176.7860, -109.7070, -54.7550

Protanopia
213.2540, 13.6640, -5.3440

Deuteranopia
215.7570, 14.1660, 7.5900

Tritanopia
189.6250, -100.8630, -27.7990

Trichromacy



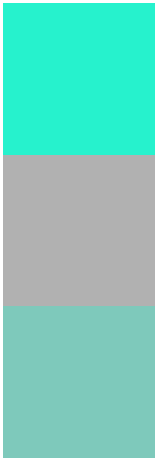
Original Color
176.7860, -109.7070, -54.7550

Protanomaly
200.3620, -31.2190, -23.4350

Deuteranomaly
201.8170, -30.7620, -15.1940

Tritanomaly
185.1480, -104.2540, -37.9340

Monochromacy



Original Color
176.7860, -109.7070, -54.7550

Achromatopsia
177.0000, -0.0000, 0.0000

Achromatomaly
176.9790, -40.2060, -20.2540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 176.7860, -109.7070, -54.7550 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(38, 242, 205) looks like.

```
.text, #text, p{
    color:rgb(38, 242, 205)
}
```

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(38, 242, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 242, 205) }
```

Border

The CSS property to change the border of an element to YIQ 176.7860, -109.7070, -54.7550 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(38, 242, 205) }
```

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

```
.border{ border-color:rgb(38, 242, 205) }
```

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

Here you see how a box with a 4 pixel rgb(38, 242, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 242, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 242, 205); box-shadow:4px 4px 4px 4px rgb(38, 242, 205) }
```

Background

The CSS property to change the background color of an element to YIQ 176.7860, -109.7070, -54.7550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(38, 242, 205) }
```

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

```
.background{ background-color:rgb(38, 242,
205) }
```

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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