

Converting Colors

YIQ(170.5730, -77.8900,
-42.1620)

Have a look what the booklet for
YIQ(170.5730, -77.8900, -42.1620)
contains.

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Color

**YIQ(170.5730, -77.8900,
-42.1620)**

Conversions

Conversions Part 1

Format	Color
Hex	46DBB9
RGB	70, 219, 185
RGB Percent	27%, 86%, 73%
CMY	0.7258, 0.1409, 0.2748
CMYK	0.68, 0.00, 0.16, 0.14
HSL	166°, 67%, 57%
HSV	166°, 68%, 86%
XYZ	36.6161, 55.4939, 54.6406
YIQ	170.5730, -77.8900, -42.1620

Conversions

Conversions Part 2

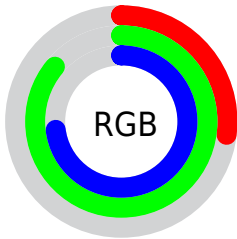
Format	Color
RYB	70, 154, 219
Decimal	4643769
CIELab	79.32, -47.07, 5.42
CIELCh	79, 47.379, 173.431
Yxy	55.4939, 0.2495, 0.3782
Android (android.graphics.Color)	4282833849 (0xFF46DBB9)
YUV	170.5730, 7.1125, -88.2025
Hunter-Lab	74.4943, -42.6271, 8.6575

Details

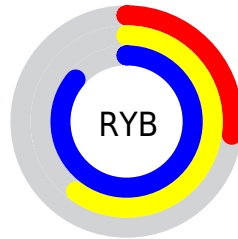
The YIQ color **170.5730, -77.8900, -42.1620** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **118.4270, 77.8900, 42.1620**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.8230, -66.4300, -29.5820**, and **110.7290, -87.1970, -44.1970** is the 20% darker color. If you saturate the color by 10%, you get **163.4250, -89.3970, -48.3810**, and if you desaturate by 10%, it is **177.7210, -66.3830, -35.9430**.

Distribution



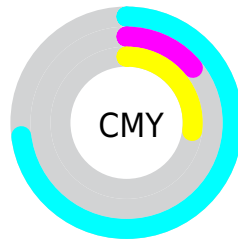
- Red (27%)
- Green (86%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)



- Cyan (73%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 170.5730, -77.8900, -42.1620 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 170.5730, -77.8900, -42.1620 by changing the saturation by 10% instead.

■ 170.5730,
-77.8900, -42.1620

■ 170.5730,
-77.8900, -42.1620

■ 255.0000, -0.0000,
-0.0000

■ 136.7070,
-90.1310, -46.0910

■ 217.5240,
-67.0260, -29.7940

■ 110.7290,
-87.1970, -44.1970

■ 228.3890,
-53.0440, -18.8680

■ 92.0300, -71.7470,
-37.8510

■ 237.6580,
-34.5680, -12.2960

■ 74.0320, -56.8930,
-31.7170

■ 246.6280,
-16.6880, -5.9360

■ 56.7350, -42.6350,
-25.7950

■ 39.5520, -28.6980,
-19.5620

■ 24.2440, -15.9070,

-14.5870

■ 0.0000, 0.0000,
0.0000

■ 170.5730,
-77.8900, -42.1620

■ 170.5730,
-77.8900, -42.1620

■ 163.4250,
-89.3970, -48.3810

■ 177.7210,
-66.3830, -35.9430

■ 156.2770,
-100.9040, -54.6000

■ 184.8690,
-54.8760, -29.7240

■ 149.1290,
-112.4110, -60.8190

■ 192.0170,
-43.3690, -23.5050

■ 147.8190,
-114.4740, -61.9780

■ 199.1650,
-31.8620, -17.2860

■ 206.0140,
-20.9510, -11.2790

■ 213.1620, -9.4440,
-5.0600

■ 220.3100, 2.0630,
1.1590

■ 227.4580, 13.5700,
7.3780

■ 231.0180, 17.9250,
11.0530

Harmonies

Analogous

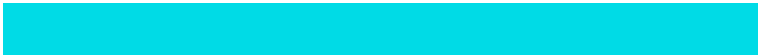
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



183.0680, -22.1840, -38.5040



170.5730, -77.8900, -42.1620



154.7730, -134.0550, -43.0070

Triad

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



170.5730, -77.8900, -42.1620



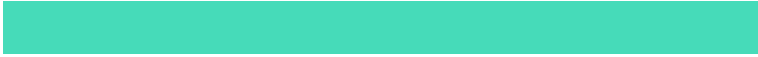
195.6270, -22.9740, 19.8900



193.4480, 63.0880, 2.0320

Complementary

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



170.5730, -77.8900, -42.1620



118.4270, 77.8900, 42.1620

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.



190.6220, 54.5110, 19.8150



170.5730, -77.8900, -42.1620



201.8220, 16.6820, 39.0980

Square

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



170.5730, -77.8900, -42.1620



180.8110, -74.1830, -4.7030



195.0510, 40.6620, 34.0220



194.0960, 51.6750, -16.9090

Rectangle

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



170.5730, -77.8900, -42.1620



156.4490, -141.5300, -34.1860



195.0510, 40.6620, 34.0220



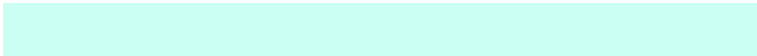
191.7670, 60.9320, 8.0680

Sweetspot

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



170.5730, -77.8900, -42.1620



238.3830, -26.5440, -14.5440



167.9280, -20.1150, -70.5070



117.8190, -15.9080, -9.0600



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.



170.5730, -77.8900, -42.1620



187.0370, -109.1560, -59.2360



150.9690, -77.8040, -10.6680



106.3690, -5.5930, -3.2650



116.8270, -90.5890, -48.8050



30.9920, -23.8850, -13.1730

Inverse Universe

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



118.4270, 77.8900, 42.1620



113.9630, 109.1560, 59.2360



138.0310, 77.8040, 10.6680



102.5170, 5.9140, 2.9540



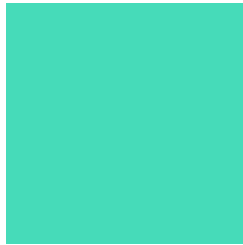
56.2870, 90.2680, 49.1160



15.0080, 23.8850, 13.1730

Previews

White Background



This preview shows how the YIQ color 170.5730, -77.8900, -42.1620 looks on a white background.

Color Contrast Check

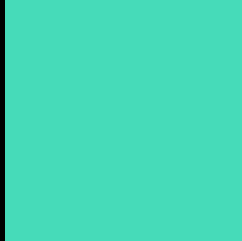
Large Text (above 18pt) WCAG AA × Fail

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 170.5730, -77.8900, -42.1620 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

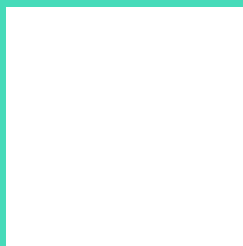
Any Text WCAG AAA ✓ Pass

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

YIQ 170.5730, -77.8900, -42.1620 Background



This preview shows how black text looks on a background with the YIQ color 170.5730, -77.8900, -42.1620.



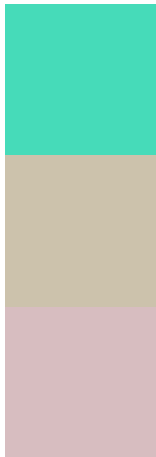
This preview shows how white text looks on a background with the YIQ color 170.5730, -77.8900, -42.1620.

-42.1620.

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

170.5730, -77.8900, -42.1620

Protanopia

194.4820, 13.0220, -4.7220

Deuteranopia

197.1160, 14.5330, 6.4450



Tritanopia

178.4600, -78.1690, -20.5770

Trichromacy



Original Color

170.5730, -77.8900, -42.1620



Protanomaly

185.6840, -20.2620, -18.2620



Deuteranomaly

187.3840, -19.1170, -11.4770



Tritanomaly

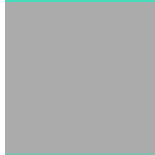
175.4180, -78.3510, -28.2950

Monochromacy



Original Color

170.5730, -77.8900, -42.1620



Achromatopsia

171.0000, -0.0000, -0.0000



Achromatomaly

170.4860, -28.3320, -15.1800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 170.5730, -77.8900, -42.1620 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(70, 219, 185)` looks like.

```
.text, #text, p{  
    color:rgb(70, 219, 185)  
}
```

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(70, 219, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 185) }
```

Border

The CSS property to change the border of an element to YIQ 170.5730, -77.8900, -42.1620 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(70, 219, 185) }
```


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

```
.border{ border-color:rgb(70, 219, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 219, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 185);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
185) }
```

Background

The CSS property to change the background color of an element to YIQ 170.5730, -77.8900, -42.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 219, 185) }
```

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

```
.background{ background-color: rgb(70, 219,  
185) }
```

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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