

Converting Colors

YIQ(168.3720, -54.3740,
-16.7900)

Have a look what the booklet for
YIQ(168.3720, -54.3740, -16.7900)
contains.

YIQ(168.3720, -54.3740, -16.7900)	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(168.3720, -54.3740,
-16.7900)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC2C8
RGB	106, 194, 200
RGB Percent	42%, 76%, 78%
CMY	0.5845, 0.2391, 0.2159
CMYK	0.47, 0.03, 0.00, 0.22
HSL	184°, 46%, 60%
HSV	184°, 47%, 78%
XYZ	35.6564, 45.8285, 61.5756
YIQ	168.3720, -54.3740, -16.7900

Conversions

Conversions Part 2

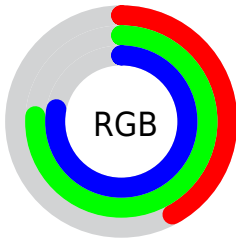
Format	Color
R _{YB}	106, 151, 200
Decimal	6996680
CIE _{Lab}	73.43, -24.88, -11.19
CIE _{LCh}	73, 27.285, 204.223
Yxy	45.8285, 0.2492, 0.3203
Android (android.graphics.Color)	4285186760 (0xFF6AC2C8)
YUV	168.3720, 15.5926, -54.7002
Hunter-Lab	67.6968, -24.4520, -6.5413

Details

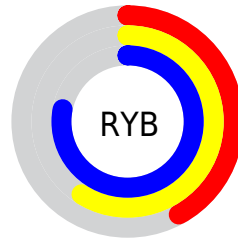
The YIQ color **168.3720, -54.3740, -16.7900** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **137.6280, 54.3740, 16.7900**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **225.1440, -53.7320, -17.4120**, and **112.5780, -57.9500, -18.0620** is the 20% darker color. If you saturate the color by 10%, you get **161.8050, -66.0190, -20.5070**, and if you desaturate by 10%, it is **174.9390, -42.7290, -13.0730**.

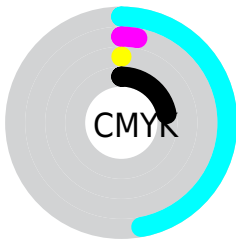
Distribution



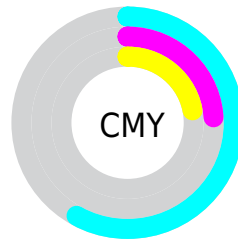
- Red (42%)
- Green (76%)
- Blue (78%)



- Red (42%)
- Yellow (59%)
- Blue (78%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.3720, -54.3740, -16.7900 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 168.3720, -54.3740, -16.7900 by changing the saturation by 10% instead.

■ 168.3720,
-54.3740, -16.7900

■ 168.3720,
-54.3740, -16.7900

■ 255.0000, -0.0000,
-0.0000

■ 140.7740,
-55.5660, -17.2140

■ 225.1440,
-53.7320, -17.4120

■ 112.5780,
-57.9500, -18.0620

■ 236.1630,
-37.5480, -13.3560

■ 80.5980, -69.8700,
-22.3020

■ 244.8340,
-20.2640, -7.2080

■ 63.7740, -55.5660,
-17.2140

■ 253.8040, -2.3840,
-0.8480

■ 46.9500, -41.2620,
-12.1260

■ 30.9410, -27.8750,
-6.9390

■ 15.6330, -15.0840,

-1.9640

■ 0.0000, 0.0000,
0.0000

■ 168.3720,
-54.3740, -16.7900

■ 168.3720,
-54.3740, -16.7900

■ 161.8050,
-66.0190, -20.5070

■ 174.9390,
-42.7290, -13.0730

■ 155.2380,
-77.6640, -24.2240

■ 182.0930,
-31.3590, -9.8790

■ 148.0840,
-89.0340, -27.4180

■ 188.6600,
-19.7140, -6.1620

■ 141.5170,
-100.6790, -31.1350

■ 195.2270, -8.0690,
-2.4450

■ 134.9500,
-112.3240, -34.8520

■ 201.7940, 3.5760,
1.2720

■ 132.5690,
-115.6250, -35.6010

■ 208.9480, 14.9460,
4.4660

■ 215.5150, 26.5910,
8.1830

■ 218.7930, 31.6800,
9.5680

■ 219.3800, 31.4050,
9.0450

Harmonies

Analogous

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



170.1920, -36.4920, -21.4840



168.3720, -54.3740, -16.7900



171.2830, -55.2010, -7.3050

Triad

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



168.3720, -54.3740, -16.7900



184.1610, 10.6330, 22.0650



179.5300, 30.2620, -8.7940

Complementary

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



168.3720, -54.3740, -16.7900



137.6280, 54.3740, 16.7900

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.



181.6550, 40.5760, 2.5280



168.3720, -54.3740, -16.7900



184.7580, 30.7610, 20.7210

Square

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



168.3720, -54.3740, -16.7900



182.2980, -14.8580, 15.9740



183.1040, 41.1700, 13.7940



176.7940, 11.6030, -17.5570

Rectangle

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



168.3720, -54.3740, -16.7900



174.9300, -46.5370, 0.8790



183.1040, 41.1700, 13.7940



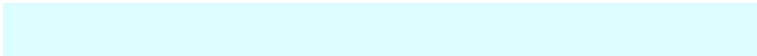
180.3890, 35.2130, -4.9070

Sweetspot

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



168.3720, -54.3740, -16.7900



243.0620, -20.9060, -6.5860



161.7480, -27.4550, -47.6070



120.2480, -12.5620, -3.6180



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.



168.3720, -54.3740, -16.7900



206.9600, -82.7530, -25.6090



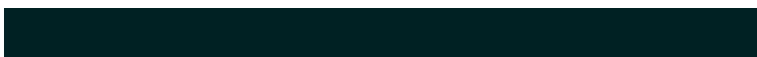
141.3700, -41.7240, 7.2680



96.3090, -5.3640, -1.9080



108.3930, -94.3980, -29.3260



23.4750, -20.6310, -6.0630

Inverse Universe

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



144.1380, 27.7760, 47.2960



170.0330, 42.2140, 71.9900



164.6300, 41.7240, -7.2680



93.7170, 2.4750, 4.7070



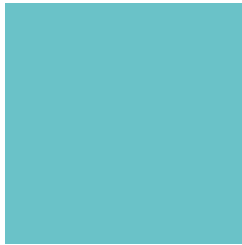
66.1790, 48.0350, 82.1390



14.5260, 10.8630, 17.8950

Previews

White Background



This preview shows how the YIQ color 168.3720, -54.3740, -16.7900 looks on a white background.

Color Contrast Check

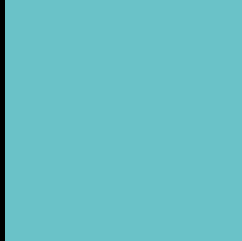
Large Text (above 18pt) WCAG AA × Fail

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 168.3720, -54.3740, -16.7900 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 168.3720, -54.3740, -16.7900 Background



This preview shows how black text looks on a background with the YIQ color 168.3720, -54.3740, -16.7900.



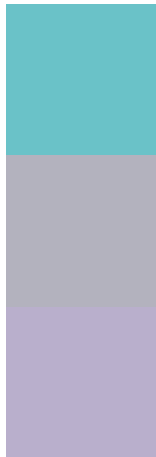
This preview shows how white text looks on a background with the YIQ color 168.3720, -54.3740, -16.7900.

-16.7900.

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

168.3720, -54.3740, -16.7900

Protanopia

179.6670, -3.2560, 3.9440

Deuteranopia

181.2960, -3.3490, 11.1390



Tritanopia

169.5940, -54.8790, -13.1430

Trichromacy



Original Color

168.3720, -54.3740, -16.7900

Protanomaly

175.5720, -22.2820, -3.6740

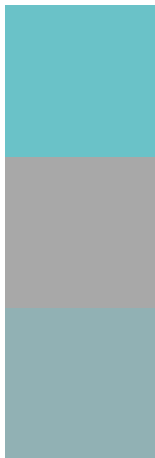
Deuteranomaly

176.6200, -22.2370, 1.0190

Tritanomaly

168.9530, -54.5120, -14.2880

Monochromacy



Original Color

168.3720, -54.3740, -16.7900

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

167.7740, -20.0350, -5.8510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.3720, -54.3740, -16.7900 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(106, 194, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 194, 200)  
}
```

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(106, 194, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 194, 200) }
```

Border

The CSS property to change the border of an element to YIQ 168.3720, -54.3740, -16.7900 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(106, 194, 200) }
```


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

```
.border{ border-color:rgb(106, 194, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 194, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 194, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 194, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 194,  
200) }
```

Background

The CSS property to change the background color of an element to YIQ 168.3720, -54.3740, -16.7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 194, 200) }
```

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

```
.background{ background-color: rgb(106,  
194, 200) }
```

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