

Converting Colors

YIQ(168.0990, -84.2220,
-15.5020)

Have a look what the booklet for
YIQ(168.0990, -84.2220, -15.5020)
contains.

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Color

**YIQ(168.0990, -84.2220,
-15.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC9EB
RGB	78, 201, 235
RGB Percent	31%, 79%, 92%
CMY	0.6944, 0.2116, 0.0788
CMYK	0.67, 0.14, 0.00, 0.08
HSL	193°, 80%, 61%
HSV	193°, 67%, 92%
XYZ	39.0170, 49.4071, 86.0077
YIQ	168.0990, -84.2220, -15.5020

Conversions

Conversions Part 2

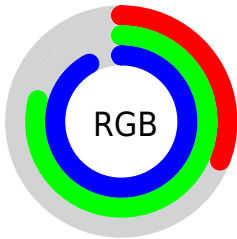
Format	Color
R _Y B	78, 147, 235
Decimal	5163499
CIE Lab	75.70, -23.68, -26.77
CIE LCh	76, 35.737, 228.510
Yxy	49.4071, 0.2237, 0.2832
Android (android.graphics.Color)	4283353579 (0xFF4EC9EB)
YUV	168.0990, 32.9822, -79.0168
Hunter-Lab	70.2902, -23.9250, -23.3447

Details

The YIQ color **168.0990, -84.2220, -15.5020** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **144.9010, 84.2220, 15.5020**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **221.5120, -66.7520, -23.7440**, and **106.6950, -97.8840, -21.2120** is the 20% darker color. If you saturate the color by 10%, you get **157.9880, -97.1510, -17.9750**, and if you desaturate by 10%, it is **177.9110, -71.8890, -13.2410**.

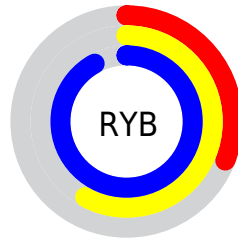
Distribution



Red (31%)

Green (79%)

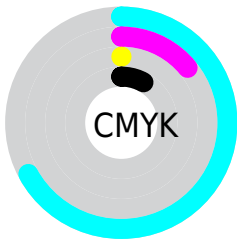
Blue (92%)



Red (31%)

Yellow (58%)

Blue (92%)

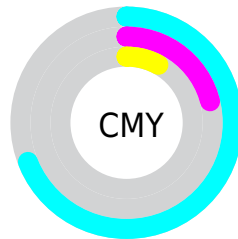


Cyan (67%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (69%)

Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.0990, -84.2220, -15.5020 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 168.0990, -84.2220, -15.5020 by changing the saturation by 10% instead.

■ 168.0990,
-84.2220, -15.5020

■ 168.0990,
-84.2220, -15.5020

■ 255.0000, -0.0000,
-0.0000

■ 136.2010,
-93.4370, -19.2050

■ 221.5120,
-66.7520, -23.7440

■ 106.6950,
-97.8840, -21.2120

■ 230.7810,
-48.2760, -17.1720

■ 88.3550, -82.0670,
-16.0110

■ 240.0500,
-29.8000, -10.6000

■ 70.7160, -66.8460,
-11.0220

■ 249.0200,
-11.9200, -4.2400

■ 53.7780, -52.2210,
-6.2450

■ 37.5410, -38.1920,
-1.6800

■ 23.7660, -25.5840,

1.1040

■ 4.9360, -11.1430,
9.2170

■ 0.5700, -1.6050,
1.5550

■ 168.0990,
-84.2220, -15.5020

■ 168.0990,
-84.2220, -15.5020

■ 157.9880,
-97.1510, -17.9750

■ 177.9110,
-71.8890, -13.2410

■ 148.1760,
-109.4840, -20.2360

■ 188.0220,
-58.9600, -10.7680

■ 138.0650,
-122.4130, -22.7090

■ 197.8340,
-46.6270, -8.5070

■ 134.7980,
-126.0350, -23.1470

■ 207.9450,
-33.6980, -6.0340

■ 217.7570,
-21.3650, -3.7730

■ 227.8680, -8.4360,
-1.3000

■ 238.2670, 3.6220,
0.4380

■ 245.0890, 9.9950,
0.5790

■ 248.0240, 8.6200,
-2.0360

Harmonies

Analogous

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



166.2550, -76.3340, -26.3020



168.0990, -84.2220, -15.5020



178.5570, -61.4840, 1.9400

Triad

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



168.0990, -84.2220, -15.5020



191.2520, 35.4820, 28.7780



182.3510, 20.0400, -21.7840

Complementary

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



168.0990, -84.2220, -15.5020



144.9010, 84.2220, 15.5020

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.



185.6470, 43.0540, -9.3460



168.0990, -84.2220, -15.5020



189.4800, 52.0350, 20.6350

Square

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



168.0990, -84.2220, -15.5020



191.2950, 7.5600, 28.2000



187.7060, 53.7340, 6.3580



178.1500, -10.3110, -27.9030

Rectangle

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



168.0990, -84.2220, -15.5020



185.0270, -39.0200, 13.3320



187.7060, 53.7340, 6.3580



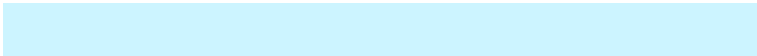
183.9500, 28.6590, -18.2930

Sweetspot

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



168.0990, -84.2220, -15.5020



233.2940, -27.3710, -5.0590



173.6930, -53.1260, -72.4700



114.6220, -16.5510, -2.9110



0.0000, 0.0000, 0.0000



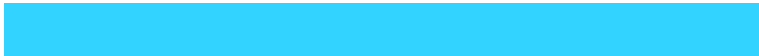
128.0000, -0.0000, -0.0000

Same Dimension

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



168.0990, -84.2220, -15.5020



168.1760, -109.4840, -20.2360



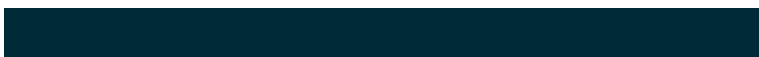
123.4870, -63.3220, 24.2460



112.5370, -6.0060, -1.2860



103.9880, -97.1510, -17.9750



30.8100, -28.8840, -5.1720

Inverse Universe

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



138.9650, 54.0890, 71.5370



130.2360, 70.2240, 93.0080



189.5130, 63.3220, -24.2460



110.3150, 3.6670, 5.1310



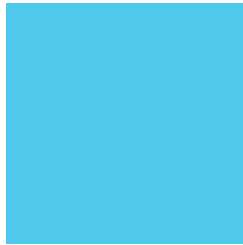
70.3070, 62.2940, 82.5340



20.9340, 18.7020, 24.5100

Previews

White Background



This preview shows how the YIQ color 168.0990, -84.2220, -15.5020 looks on a white background.

Color Contrast Check

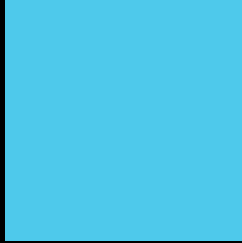
Large Text (above 18pt) WCAG AA × Fail

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 168.0990, -84.2220, -15.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

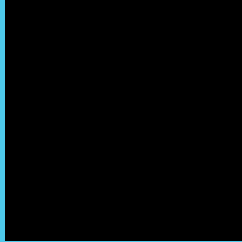
Any Text WCAG AA ✓ Pass

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 168.0990, -84.2220, -15.5020 Background



This preview shows how black text looks on a background with the YIQ color 168.0990, -84.2220, -15.5020.



This preview shows how white text looks on a background with the YIQ color 168.0990, -84.2220, -15.5020.

-15.5020.

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

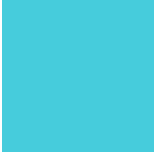
168.0990, -84.2220, -15.5020

Protanopia

186.3530, -16.6910, 10.6450

Deuteranopia

186.4050, -22.4690, 16.2430



Tritanopia

165.7580, -85.0000, -23.4320

Trichromacy



Original Color

168.0990, -84.2220, -15.5020

Protanomaly

179.5670, -41.0810, 1.1190

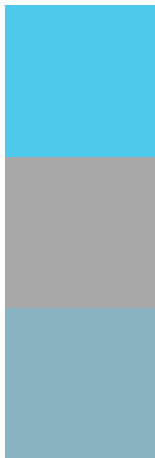
Deuteranomaly

179.9350, -44.9330, 4.8510

Tritanomaly

166.6380, -84.5420, -20.7180

Monochromacy



Original Color

168.0990, -84.2220, -15.5020

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

167.9130, -30.6720, -5.8080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.0990, -84.2220, -15.5020 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(78, 201, 235)` looks like.

```
.text, #text, p{  
    color:rgb(78, 201, 235)  
}
```

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(78, 201, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 201, 235) }
```

Border

The CSS property to change the border of an element to YIQ 168.0990, -84.2220, -15.5020 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(78, 201, 235) }
```


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

```
.border{ border-color:rgb(78, 201, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 201, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 201, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 201, 235);  
box-shadow:4px 4px 4px 4px rgb(78, 201,  
235) }
```

Background

The CSS property to change the background color of an element to YIQ 168.0990, -84.2220, -15.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 201, 235) }
```

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

```
.background{ background-color: rgb(78, 201,  
235) }
```

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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