

Converting Colors

YIQ(198.8620, 15.7820,
-54.7620)

Have a look what the booklet for
YIQ(198.8620, 15.7820, -54.7620)
contains.

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Color

**YIQ(198.8620, 15.7820,
-54.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E658
RGB	180, 230, 88
RGB Percent	71%, 90%, 35%
CMY	0.2943, 0.0979, 0.6547
CMYK	0.22, 0.00, 0.62, 0.10
HSL	81°, 74%, 62%
HSV	81°, 62%, 90%
XYZ	48.8759, 67.0074, 19.5998
YIQ	198.8620, 15.7820, -54.7620

Conversions

Conversions Part 2

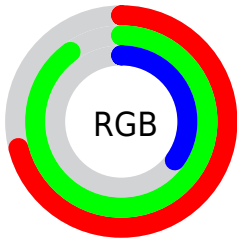
Format	Color
R_{YB}	88, 230, 138
Decimal	11855448
CIE _{Lab}	85.51, -36.95, 62.09
CIE _{LCh}	86, 72.252, 120.760
Yxy	67.0074, 0.3608, 0.4946
Android (android.graphics.Color)	4290045528 (0xFFB4E658)
YUV	198.8620, -54.6550, -16.5420
Hunter-Lab	81.8580, -36.6725, 43.1045

Details

The YIQ color **198.8620, 15.7820, -54.7620** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **119.1380, -15.7820, 54.7620**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **237.1490, 25.8200, -38.4360**, and **142.1070, 16.4700, -56.2180** is the 20% darker color. If you saturate the color by 10%, you get **193.8480, 18.3970, -63.6110**, and if you desaturate by 10%, it is **203.8760, 13.1670, -45.9130**.

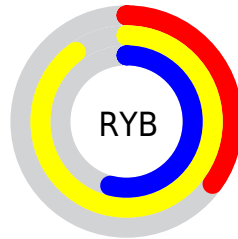
Distribution



Red (71%)

Green (90%)

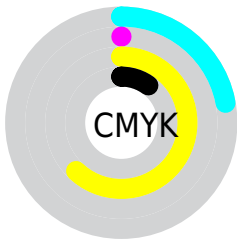
Blue (35%)



Red (35%)

Yellow (90%)

Blue (54%)

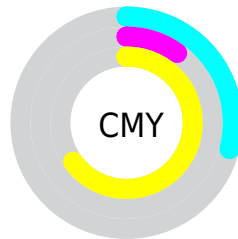


Cyan (22%)

Magenta (0%)

Yellow (62%)

Black (10%)



Cyan (29%)

Magenta (10%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 198.8620, 15.7820, -54.7620 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 198.8620, 15.7820, -54.7620 by changing the saturation by 10% instead.

■ 198.8620, 15.7820,
-54.7620

■ 198.8620, 15.7820,
-54.7620

255.0000, -0.0000,
-0.0000

■ 170.5630, 15.1860,
-54.9740

■ 237.1490, 25.8200,
-38.4360

■ 142.1070, 16.4700,
-56.2180

■ 245.4240, 26.9640,
-26.1240

■ 114.9930, 16.7910,
-56.5290

■ 248.7300, 17.6550,
-17.1050

■ 91.3590, 7.2530,
-48.8670

■ 252.0360, 8.3460,
-8.0860

■ 68.3120, -2.5600,
-41.7280

■ 42.2640, -19.8000,
-37.6560

■ 28.7630, -13.4750,

-25.6270

■ 16.4360, -7.7000,
-14.6440

■ 0.0000, 0.0000,
0.0000

■ 198.8620, 15.7820,
-54.7620

■ 198.8620, 15.7820,
-54.7620

■ 193.8480, 18.3970,
-63.6110

■ 203.8760, 13.1670,
-45.9130

■ 188.8340, 21.0120,
-72.4600

■ 208.8900, 10.5520,
-37.0640

■ 183.8200, 23.6270,
-81.3090

■ 213.9040, 7.9370,
-28.2150

■ 179.5610, 25.5540,
-88.7020

■ 218.9180, 5.3220,
-19.3660

■ 224.2310, 3.3030,
-10.3050

■ 229.2450, 0.6880,
-1.4560

■ 234.2590, -1.9270,
7.3930

■ 237.3350, 0.9150,
10.9550

■ 239.7270, 5.6830,
12.6510

Harmonies

Analogous

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



205.8320, 69.1930, -37.0390



198.8620, 15.7820, -54.7620



182.0910, -65.6900, -65.0340

Triad

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



198.8620, 15.7820, -54.7620



168.7760, -147.3050, -45.1690



189.3920, 41.4400, 41.9520

Complementary

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



198.8620, 15.7820, -54.7620



119.1380, -15.7820, 54.7620

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.



203.3440, 24.2000, 46.0240



198.8620, 15.7820, -54.7620



170.7570, -118.7900, -27.7980

Square

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



198.8620, 15.7820, -54.7620



173.4720, -149.5050, -49.3530



208.7170, -5.5520, 23.5360



187.0370, 60.4720, 16.4080

Rectangle

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



198.8620, 15.7820, -54.7620



165.9480, -128.3190, -69.8790



208.7170, -5.5520, 23.5360



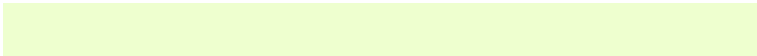
193.7750, 33.2320, 47.5360

Sweetspot

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



198.8620, 15.7820, -54.7620



244.4450, 5.2760, -18.5320



159.8080, 70.8820, 3.9540



121.2910, 3.0740, -11.6620



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.



198.8620, 15.7820, -54.7620



213.4210, 20.7370, -72.9830



177.6330, -26.5340, -69.8140



112.4360, 1.4680, -4.5800



139.7570, 19.9110, -69.0250



39.8040, 5.6430, -19.6770

Inverse Universe

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



119.1380, -15.7820, 54.7620



107.5790, -20.7370, 72.9830



140.3670, 26.5340, 69.8140



105.5640, -1.4680, 4.5800



39.2430, -19.9110, 69.0250



11.1960, -5.6430, 19.6770

Previews

White Background



This preview shows how the YIQ color 198.8620, 15.7820, -54.7620 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 198.8620, 15.7820, -54.7620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

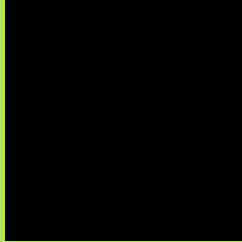
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 198.8620, 15.7820, -54.7620

Background



This preview shows how black text looks on a background with the YIQ color 198.8620, 15.7820, -54.7620.



This preview shows how white text looks on a background with the YIQ color 198.8620, 15.7820,

-54.7620.

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

198.8620, 15.7820, -54.7620

Protanopia

205.3560, 56.0340, -35.3420

Deuteranopia

211.1720, 54.5170, -13.3470



Tritanopia

212.5560, -16.1850, 1.4710

Trichromacy



Original Color

198.8620, 15.7820, -54.7620

Protanomaly

202.8270, 41.2260, -42.3100

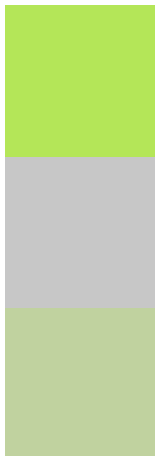
Deuteranomaly

206.6720, 40.7650, -28.4430

Tritanomaly

207.3560, -4.7190, -19.1110

Monochromacy



Original Color

198.8620, 15.7820, -54.7620

Achromatopsia

199.0000, -0.0000, 0.0000

Achromatomaly

198.8040, 5.6430, -19.6770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 198.8620, 15.7820, -54.7620 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(180, 230, 88)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 88)  
}
```

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(180, 230, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 88) }
```

Border

The CSS property to change the border of an element to YIQ 198.8620, 15.7820, -54.7620 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(180, 230, 88) }
```


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

```
.border{ border-color:rgb(180, 230, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 230, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 88);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
88) }
```

Background

The CSS property to change the background color of an element to YIQ 198.8620, 15.7820, -54.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 88) }
```

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

```
.background{ background-color: rgb(180,  
230, 88) }
```

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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