

Converting Colors

YIQ(197.7540, 14.8250,
-86.9910)

Have a look what the booklet for
YIQ(197.7540, 14.8250, -86.9910)
contains.

| | |
|--|----|
| YIQ(197.7540, 14.8250, -86.9910) | 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(197.7540, 14.8250,
-86.9910)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9EFA21 |
| RGB | 158, 250, 33 |
| RGB Percent | 62%, 98%, 13% |
| CMY | 0.3807, 0.0194, 0.8703 |
| CMYK | 0.37, 0.00, 0.87, 0.02 |
| HSL | 85°, 96%, 56% |
| HSV | 85°, 87%, 98% |
| XYZ | 48.5556, 75.7650, 13.5081 |
| YIQ | 197.7540, 14.8250, -86.9910 |

Conversions

Conversions Part 2

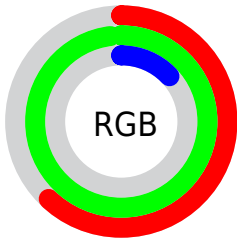
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 33, 250, 125 |
| Decimal | 10418721 |
| CIE Lab | 89.75, -56.12, 82.58 |
| CIE LCh | 90, 99.842, 124.198 |
| Yxy | 75.7650, 0.3523, 0.5497 |
| Android (android.graphics.Color) | 4288608801 (0xFF9EFA21) |
| YUV | 197.7540, -81.2237, -34.8643 |
| Hunter-Lab | 87.0431, -52.7520, 51.7290 |

Details

The YIQ color **197.7540, 14.8250, -86.9910** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **85.2460, -14.8250, 86.9910**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **226.9080, 27.3360, -54.9040**, and **142.2940, 4.7370, -80.3750** is the 20% darker color. If you saturate the color by 10%, you get **191.6150, 16.2940, -97.0980**, and if you desaturate by 10%, it is **203.8930, 13.3560, -76.8840**.

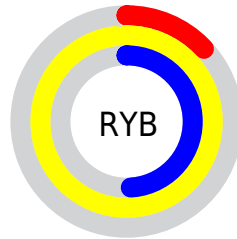
Distribution



Red (62%)

Green (98%)

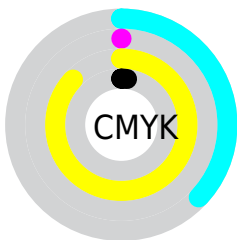
Blue (13%)



Red (13%)

Yellow (98%)

Blue (49%)

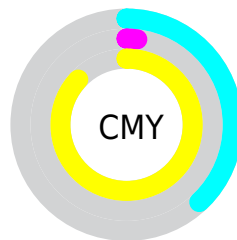


Cyan (37%)

Magenta (0%)

Yellow (87%)

Black (2%)



Cyan (38%)

Magenta (2%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 197.7540, 14.8250, -86.9910 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 197.7540, 14.8250, -86.9910 by changing the saturation by 10% instead.

 197.7540, 14.8250,
-86.9910


 197.7540, 14.8250,
-86.9910


255.0000, -0.0000,
-0.0000


 167.9990, 15.5130,
-88.4470


 226.6090, 26.7400,
-55.1160


 142.2940, 4.7370,
-80.3750


 239.2980, 35.5860,
-39.2140


 115.9910, -7.2310,
-72.7270


 244.5120, 29.5320,
-28.6120

 87.5840, -24.8380,
-67.5100

 247.8180, 20.2230,
-19.5930

 65.7440, -30.8000,
-58.5760

 251.2380, 10.5930,
-10.2630

 51.0690, -23.9250,
-45.5010

254.6580, 0.9630,

 36.3940, -17.0500,

-0.9330

-32.4260

■ 22.8930, -10.7250,
-20.3970

■ 0.0000, 0.0000,
0.0000

■ 197.7540, 14.8250,
-86.9910

■ 197.7540, 14.8250,
-86.9910

■ 191.6150, 16.2940,
-97.0980

■ 203.8930, 13.3560,
-76.8840

■ 189.8060, 17.0740,
-100.2220

■ 209.7330, 11.2910,
-66.9890

■ 215.8720, 9.8220,
-56.8820

■ 221.7120, 7.7570,
-46.9870

■ 227.8510, 6.2880,
-36.8800

■ 233.9900, 4.8190,
-26.7730

■ 239.8300, 2.7540,
-16.8780

■ 245.9690, 1.2850,
-6.7710

■ 251.4670, 0.1830,
2.1910

Harmonies

Analogous

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



208.9070, 89.8300, -64.1380



197.7540, 14.8250, -86.9910



165.3030, -114.1020, -90.7580

Triad

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



197.7540, 14.8250, -86.9910



178.7550, -151.9800, -54.0600



171.3090, 49.6440, 58.4760

Complementary

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



197.7540, 14.8250, -86.9910



85.2460, -14.8250, 86.9910

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.



191.0170, 29.9750, 57.0070



197.7540, 14.8250, -86.9910



165.8410, -145.9300, -42.5540

Square

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



197.7540, 14.8250, -86.9910



178.7550, -151.9800, -54.0600



215.0070, 8.4310, 28.9350



175.4960, 72.3010, 16.7890

Rectangle

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



197.7540, 14.8250, -86.9910



172.8270, -135.2880, -70.2320



215.0070, 8.4310, 28.9350



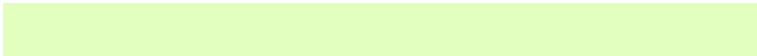
177.3050, 38.2720, 66.3360

Sweetspot

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



197.7540, 14.8250, -86.9910



239.1040, 4.4980, -26.4620



150.7130, 104.5820, -1.0660



118.3570, 2.7080, -16.0440



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.



197.7540, 14.8250, -86.9910



193.6380, 17.4870, -102.2010



165.7610, -48.9470, -109.6750



122.0230, 1.1930, -5.1030



143.5340, 12.9890, -75.7390



46.2720, 4.0850, -24.4830

Inverse Universe

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



85.2460, -14.8250, 86.9910



61.3620, -17.4870, 102.2010



117.2390, 48.9470, 109.6750



115.2760, -0.5970, 5.3150



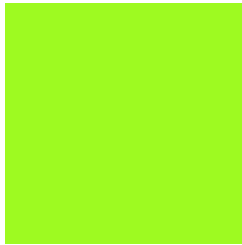
45.4660, -12.9890, 75.7390



14.7280, -4.0850, 24.4830

Previews

White Background



This preview shows how the YIQ color 197.7540, 14.8250, -86.9910 looks on a white background.

Color Contrast Check

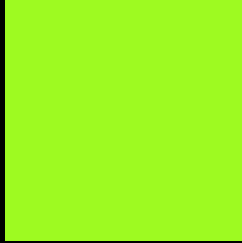
Large Text (above 18pt) WCAG AA × Fail

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 197.7540, 14.8250, -86.9910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

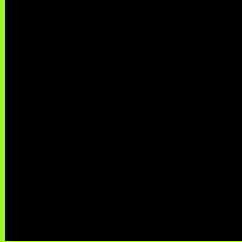
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

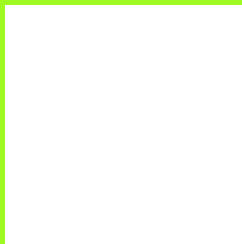
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 197.7540, 14.8250, -86.9910

Background



This preview shows how black text looks on a background with the YIQ color 197.7540, 14.8250, -86.9910.



This preview shows how white text looks on a background with the YIQ color 197.7540, 14.8250,

-86.9910.

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

197.7540, 14.8250, -86.9910

Protanopia

210.5720, 80.8880, -56.2640

Deuteranopia

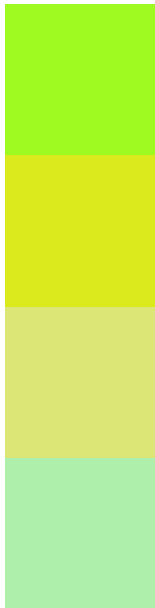
223.9500, 37.8270, -8.2290



Tritanopia

220.4010, -34.9820, -4.7900

Trichromacy



Original Color

197.7540, 14.8250, -86.9910

Protanomaly

205.7320, 56.5900, -67.4580

Deuteranomaly

214.3560, 29.6710, -36.6410

Tritanomaly

212.2260, -16.6370, -34.4050

Monochromacy



Original Color

197.7540, 14.8250, -86.9910

Achromatopsia

198.0000, -0.0000, 0.0000

Achromatomaly

197.8280, 5.0950, -31.7770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 197.7540, 14.8250, -86.9910 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(158, 250, 33)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 33)  
}
```

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(158, 250, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 33) }
```

Border

The CSS property to change the border of an element to YIQ 197.7540, 14.8250, -86.9910 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(158, 250, 33) }
```


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

```
.border{ border-color:rgb(158, 250, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 250, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 33);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
33) }
```

Background

The CSS property to change the background color of an element to YIQ 197.7540, 14.8250, -86.9910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 33) }
```

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

```
.background{ background-color: rgb(158,  
250, 33) }
```

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