

# Converting Colors

YIQ(177.1520, -42.4380,  
-100.9820)

Have a look what the booklet for  
YIQ(177.1520, -42.4380, -100.9820)  
contains.

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# Color

**YIQ(177.1520, -42.4380,  
-100.9820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFE34
RGB	74, 254, 52
RGB Percent	29%, 100%, 20%
CMY	0.7104, 0.0036, 0.7961
CMYK	0.71, 0.00, 0.80, 0.00
HSL	114°, 99%, 60%
HSV	114°, 80%, 100%
XYZ	38.8986, 72.6295, 15.2172
YIQ	177.1520, -42.4380, -100.9820

# Conversions

## Conversions Part 2

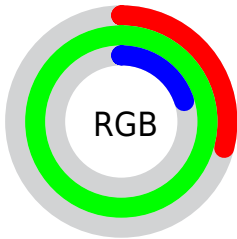
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 254, 232
Decimal	4914740
CIELab	88.27, -78.22, 75.99
CIELCh	88, 109.052, 135.829
Yxy	72.6295, 0.3069, 0.5730
Android (android.graphics.Color)	4283104820 (0xFF4AFE34)
YUV	177.1520, -61.6999, -90.4643
Hunter-Lab	85.2229, -67.6667, 49.0694

# Details

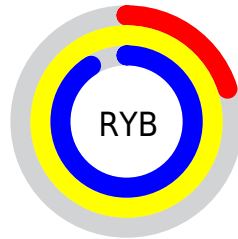
The YIQ color **177.1520, -42.4380, -100.9820** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **128.8480, 42.4380, 100.9820**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **206.4490, -20.0240, -66.6480**, and **115.0520, -53.9000, -102.5080** is the 20% darker color. If you saturate the color by 10%, you get **167.4250, -48.1210, -113.6330**, and if you desaturate by 10%, it is **186.8790, -36.7550, -88.3310**.

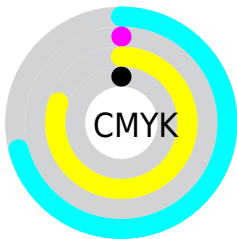
# Distribution



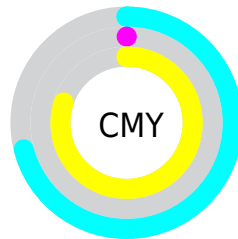
- Red (29%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.1520, -42.4380, -100.9820 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 177.1520, -42.4380, -100.9820 by changing the saturation by 10% instead.



■ 177.1520,  
-42.4380, -100.9820

■ 177.1520,  
-42.4380, -100.9820

■ 255.0000, -0.0000,  
-0.0000

■ 133.5700,  
-58.8950, -116.6150

■ 206.4490,  
-20.0240, -66.6480

■ 115.0520,  
-53.9000, -102.5080

■ 219.6220, -9.6650,  
-50.6330

■ 98.0290, -45.9250,  
-87.3410

■ 232.4960, 0.0980,  
-34.8300

■ 82.1800, -38.5000,  
-73.2200

■ 245.3700, 9.8610,  
-19.0270

■ 66.3310, -31.0750,  
-59.0990

■ 252.3780, 7.3830,  
-7.1530

■ 50.4820, -23.6500,  
-44.9780

■ 36.3940, -17.0500,

-32.4260

■ 20.5450, -9.6250,  
-18.3050

■ 0.0000, 0.0000,  
0.0000

■ 177.1520,  
-42.4380, -100.9820

■ 177.1520,  
-42.4380, -100.9820

■ 167.4250,  
-48.1210, -113.6330

■ 186.8790,  
-36.7550, -88.3310

■ 157.8830,  
-52.8870, -126.3830

■ 196.4210,  
-31.9890, -75.5810

■ 157.1710,  
-53.7580, -127.1180

■ 206.1480,  
-26.3060, -62.9300

■ 215.9890,  
-20.9440, -49.9680

■ 225.4170,  
-15.8570, -37.5290

■ 235.1440,  
-10.1740, -24.8780

■ 244.6860, -5.4080,  
-12.1280

254.4130, 0.2750,  
0.5230

# Harmonies

## Analogous

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



201.6430, 63.7900, -76.8020



177.1520, -42.4380, -100.9820



168.7230, -123.7320, -81.4280

# Triad

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



177.1520, -42.4380, -100.9820



174.6460, -150.0550, -50.3990



154.4390, 69.5890, 54.9410

# Complementary

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



177.1520, -42.4380, -100.9820



128.8480, 42.4380, 100.9820

# 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.



168.7110, 40.4250, 76.8810



177.1520, -42.4380, -100.9820



169.3280, -112.9680, -23.1760

# Square

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



177.1520, -42.4380, -100.9820



178.7550, -151.9800, -54.0600



202.1700, 24.7500, 47.0700



171.9160, 87.8930, -1.4750



# Rectangle

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



177.1520, -42.4380, -100.9820



177.0450, -147.1650, -58.7250



202.1700, 24.7500, 47.0700



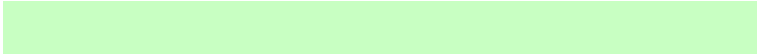
154.3200, 60.2790, 69.4870

# Sweetspot

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



177.1520, -42.4380, -100.9820



231.6010, -13.1990, -30.6310



217.4710, 71.1670, -50.7930



113.9150, -7.7910, -18.5030



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.



177.1520, -42.4380, -100.9820



162.8280, -51.0540, -121.0540



179.3520, -80.2670, -81.6990



122.9300, -2.9790, -6.5870



118.3960, -40.0090, -95.4410



39.6610, -13.4280, -31.9880



# Inverse Universe

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



128.8480, 42.4380, 100.9820



105.1720, 51.0540, 121.0540



126.6480, 80.2670, 81.6990



119.7710, 2.3830, 6.3750



72.9030, 40.6050, 95.6530

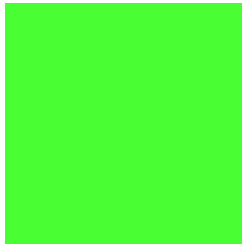


24.3390, 13.4280, 31.9880



# Previews

## White Background



This preview shows how the YIQ color 177.1520, -42.4380, -100.9820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

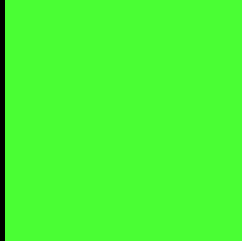
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 177.1520, -42.4380, -100.9820 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 177.1520, -42.4380, -100.9820 Background



This preview shows how black text looks on a background with the YIQ color 177.1520, -42.4380, -100.9820.



This preview shows how white text looks on a background with the YIQ color 177.1520, -42.4380, -100.9820.

-100.9820.

# 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

177.1520, -42.4380, -100.9820

### Protanopia

207.8950, 72.9090, -49.3230

### Deuteranopia

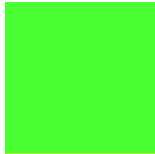
218.3760, 45.2550, -10.6890



## Tritanopia

205.8740, -70.4670, -16.9870

# Trichromacy



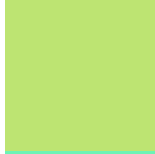
## Original Color

177.1520, -42.4380, -100.9820



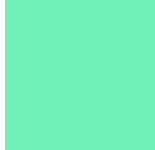
## Protanomaly

196.4440, 31.0980, -68.0220



## Deuteranomaly

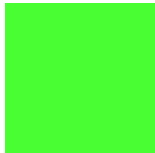
203.3430, 13.3500, -43.7220



## Tritanomaly

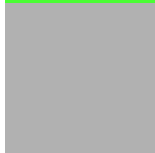
195.5670, -60.5580, -47.9020

# Monochromacy



## Original Color

177.1520, -42.4380, -100.9820



## Achromatopsia

177.0000, -0.0000, 0.0000



## Achromatomaly

176.9440, -15.9030, -36.6950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.1520, -42.4380, -100.9820 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(74, 254, 52)` looks like.

```
.text, #text, p{  
    color:rgb(74, 254, 52)  
}
```

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(74, 254, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 254, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 177.1520, -42.4380, -100.9820 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(74, 254, 52) }
```



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

```
.border{ border-color:rgb(74, 254, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 254, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 254, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 254, 52);  
box-shadow:4px 4px 4px 4px rgb(74, 254,  
52) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.1520, -42.4380, -100.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 254, 52) }
```

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

```
.background{ background-color: rgb(74, 254,  
52) }
```

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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