

# Converting Colors

YIQ(220.4180, -0.4030,  
-53.2910)

Have a look what the booklet for  
YIQ(220.4180, -0.4030, -53.2910)  
contains.

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# Color

**YIQ(220.4180, -0.4030,  
-53.2910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFF82
RGB	187, 255, 130
RGB Percent	73%, 100%, 51%
CMY	0.2669, 0.0000, 0.4901
CMYK	0.27, 0.00, 0.49, 0.00
HSL	93°, 100%, 75%
HSV	93°, 49%, 100%
XYZ	60.2695, 83.6894, 34.1048
YIQ	220.4180, -0.4030, -53.2910

# Conversions

## Conversions Part 2

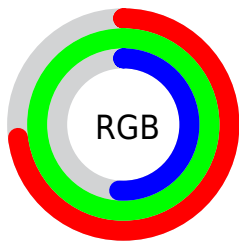
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 255, 198</a>
Decimal	<a href="#">12320642</a>
CIELab	<a href="#">93.32, -41.63, 52.65</a>
CIELCh	<a href="#">93, 67.118, 128.332</a>
Yxy	<a href="#">83.6894, 0.3385, 0.4700</a>
Android (android.graphics.Color)	<a href="#">4290510722 (0xFFBBFF82)</a>
YUV	<a href="#">220.4180, -44.5761, -29.3076</a>
Hunter-Lab	<a href="#">91.4819, -42.4953, 41.9338</a>

# Details

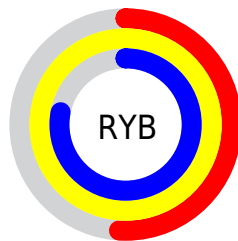
The YIQ color  $220.4180, -0.4030, -53.2910$  is a light color, and the websafe version is hex  $CCFF99$ . A complement of this color would be  $164.5820, 0.4030, 53.2910$ , and the grayscale version is  $221.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $244.0300, 16.5100, -23.8900$ , and  $164.1730, -1.0910, -51.8350$  is the 20% darker color. If you saturate the color by 10%, you get  $213.3820, -0.7220, -64.0340$ , and if you desaturate by 10%, it is  $227.5680, -0.4050, -42.2370$ .

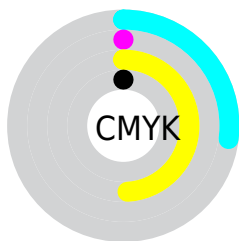
# Distribution



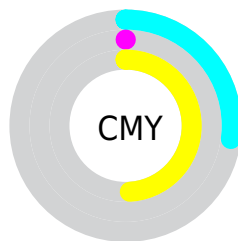
- Red (73%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 220.4180, -0.4030, -53.2910 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 220.4180, -0.4030, -53.2910 by changing the saturation by 10% instead.





 220.4180, -0.4030,  
-53.2910

 220.4180, -0.4030,  
-53.2910

255.0000, -0.0000,  
-0.0000


 191.6460, -1.0450,  
-52.6690


 244.0300, 16.5100,  
-23.8900


 164.1730, -1.0910,  
-51.8350


 250.3260, 13.1610,  
-12.7510

 136.2870, -1.4120,  
-51.5240

 253.6320, 3.8520,  
-3.7320

 108.5320, -0.7240,  
-52.9800

 82.4330, -4.7590,  
-51.4390

 57.2930, -18.7440,  
-45.7840

 39.9160, -18.7000,

-35.5640

■ 26.4150, -12.3750,  
-23.5350

■ 11.7400, -5.5000,  
-10.4600

■ 220.4180, -0.4030,  
-53.2910

■ 220.4180, -0.4030,  
-53.2910

■ 213.3820, -0.7220,  
-64.0340

■ 227.5680, -0.4050,  
-42.2370

■ 206.2320, -0.7200,  
-75.0880

■ 234.6040, -0.0860,  
-31.4940

■ 199.1960, -1.0390,  
-85.8310

■ 241.7540, -0.0880,  
-20.4400

■ 192.0460, -1.0370,  
-96.8850

■ 248.4910, -0.3650,  
-9.9090

■ 185.3090, -0.7600, 255.0000, -0.0000,  
-107.4160 -0.0000

■ 184.3690, -0.9890,  
-108.7730

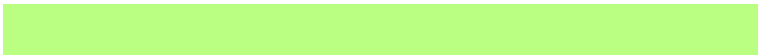
# Harmonies

## Analogous

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



227.5790, 53.7880, -38.6920



220.4180, -0.4030, -53.2910



197.5000, -76.7870, -56.6510

# Triad

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



220.4180, -0.4030, -53.2910



178.7550, -151.9800, -54.0600



206.9850, 31.8600, 28.3400

# Complementary

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



220.4180, -0.4030, -53.2910



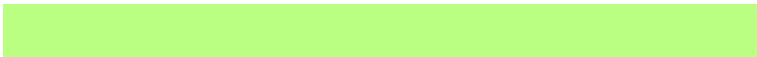
164.5820, 0.4030, 53.2910

# Split Complementary

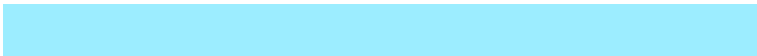
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



215.6710, 18.4250, 35.0410



220.4180, -0.4030, -53.2910



214.8330, -54.0540, -11.5740

# Square

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



220.4180, -0.4030, -53.2910



178.7550, -151.9800, -54.0600



229.7590, 11.8250, 22.4890

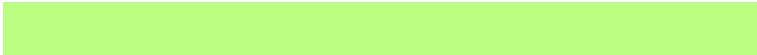


207.0750, 48.1410, 3.0930



# Rectangle

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



220.4180, -0.4030, -53.2910



175.9050, -143.9550, -61.8350



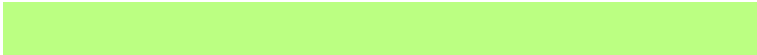
229.7590, 11.8250, 22.4890



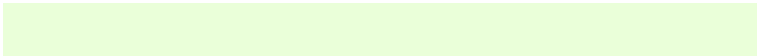
210.0800, 24.5230, 34.6590

# Sweetspot

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



220.4180, -0.4030, -53.2910



244.3890, -0.3180, -16.2700



206.7040, 56.0750, -8.5410



121.4910, -0.3650, -9.9090



0.0000, 0.0000, 0.0000

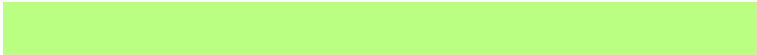


128.0000, -0.0000, -0.0000



# Same Dimension

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



220.4180, -0.4030, -53.2910



213.3820, -0.7220, -64.0340



203.8310, -35.6590, -64.1310



124.4250, 0.0010, -5.5270



138.1300, -0.6730, -81.4490



46.2390, -0.3160, -27.3240



# Inverse Universe

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



164.5820, 0.4030, 53.2910



146.3190, 0.1260, 63.8220



181.1690, 35.6590, 64.1310



118.5750, -0.0010, 5.5270



52.8700, 0.6730, 81.4490

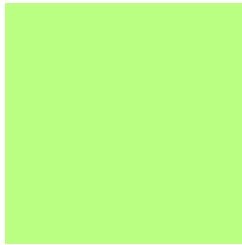


17.7610, 0.3160, 27.3240



# Previews

## White Background



This preview shows how the YIQ color 220.4180, -0.4030, -53.2910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

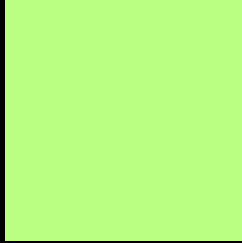
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 220.4180, -0.4030, -53.2910 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

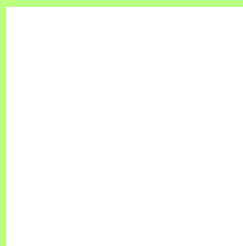
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 220.4180, -0.4030, -53.2910**

## **Background**



This preview shows how black text looks on a background with the YIQ color 220.4180, -0.4030, -53.2910.



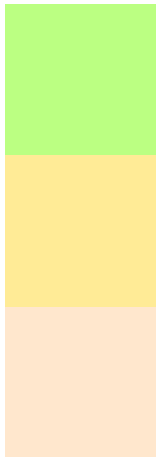
This preview shows how white text looks on a background with the YIQ color 220.4180, -0.4030,

-53.2910.

# 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

220.4180, -0.4030, -53.2910

### Protanopia

231.2900, 39.2050, -22.1950

### Deuteranopia

235.2120, 22.6500, -2.9980



## Tritanopia

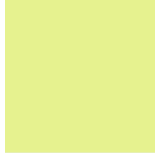
232.7510, -21.2280, -0.7480

# Trichromacy



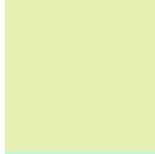
## Original Color

220.4180, -0.4030, -53.2910



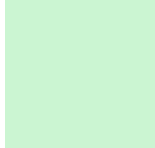
## Protanomaly

227.1260, 24.6270, -33.3330



## Deuteranomaly

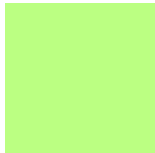
229.9420, 13.9420, -21.4020



## Tritanomaly

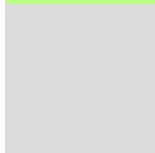
228.4520, -13.7970, -19.7890

# Monochromacy



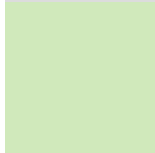
## Original Color

220.4180, -0.4030, -53.2910



## Achromatopsia

220.0000, 0.0000, 0.0000



## Achromatomaly

220.2810, -0.1340, -19.6060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 220.4180, -0.4030, -53.2910 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(187, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 130)  
}
```

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(187, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 130) }
```

## Border

The CSS property to change the border of an element to YIQ 220.4180, -0.4030, -53.2910 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(187, 255, 130) }
```



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

```
.border{ border-color:rgb(187, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
130) }
```

# Background

The CSS property to change the background color of an element to YIQ 220.4180, -0.4030, -53.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 130) }
```

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

```
.background{ background-color: rgb(187,  
255, 130) }
```

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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