

# Converting Colors

YIQ(220.2160, 14.5450,  
-59.8790)

Have a look what the booklet for  
YIQ(220.2160, 14.5450, -59.8790)  
contains.

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# Color

**YIQ(220.2160, 14.5450,  
-59.8790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF66
RGB	197, 255, 102
RGB Percent	77%, 100%, 40%
CMY	0.2277, 0.0000, 0.5998
CMYK	0.23, 0.00, 0.60, 0.00
HSL	83°, 100%, 70%
HSV	83°, 60%, 100%
XYZ	61.1709, 84.3425, 25.6377
YIQ	220.2160, 14.5450, -59.8790

# Conversions

## Conversions Part 2

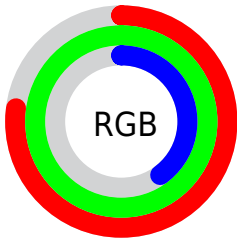
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 160</a>
Decimal	<a href="#">12975974</a>
CIELab	<a href="#">93.60, -40.72, 65.46</a>
CIELCh	<a href="#">94, 77.094, 121.883</a>
Yxy	<a href="#">84.3425, 0.3574, 0.4928</a>
Android (android.graphics.Color)	<a href="#">4291166054 (0xFFC5FF66)</a>
YUV	<a href="#">220.2160, -58.2805, -20.3604</a>
Hunter-Lab	<a href="#">91.8382, -41.8228, 47.7352</a>

# Details

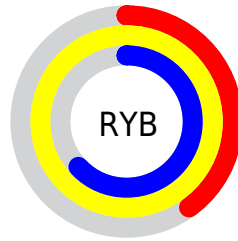
The YIQ color **220.2160, 14.5450, -59.8790** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **136.7840, -14.5450, 59.8790**, and the grayscale version is **221.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **243.9420, 31.1370, -30.1670**, and **162.8030, 14.2700, -60.4020** is the 20% darker color. If you saturate the color by 10%, you get **214.3760, 16.6100, -69.7740**, and if you desaturate by 10%, it is **226.1700, 12.1590, -49.6730**.

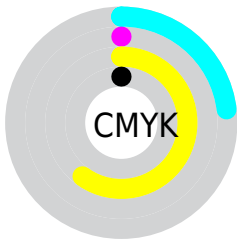
# Distribution



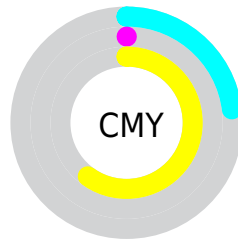
- Red (77%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (63%)



- Cyan (23%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 220.2160, 14.5450, -59.8790 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 220.2160, 14.5450, -59.8790 by changing the saturation by 10% instead.





 220.2160, 14.5450,  
-59.8790


 220.2160, 14.5450,  
-59.8790


255.0000, -0.0000,  
-0.0000


 191.3300, 14.2240,  
-59.5680

 243.9420, 31.1370,  
-30.1670


 162.8030, 14.2700,  
-60.4020


 247.1340, 22.1490,  
-21.4590


 132.9790, 19.4060,  
-65.3780

 250.4400, 12.8400,  
-12.4400

 109.3450, 9.8680,  
-57.7160

 253.8600, 3.2100,  
-3.1100

 85.4120, -0.2660,  
-50.2660

 60.8700, -13.0590,  
-44.1870

 39.9160, -18.7000,

-35.5640

■ 27.0020, -12.6500,  
-24.0580

■ 12.3270, -5.7750,  
-10.9830

■ 220.2160, 14.5450,  
-59.8790

■ 220.2160, 14.5450,  
-59.8790

■ 214.3760, 16.6100,  
-69.7740

■ 226.1700, 12.1590,  
-49.6730

■ 208.7210, 19.5920,  
-79.7680

■ 231.7110, 9.4980,  
-39.9900

■ 202.8810, 21.6570,  
-89.6630

■ 237.6650, 7.1120,  
-29.7840

■ 196.9270, 24.0430,  
-99.8690

■ 243.5050, 5.0470,  
-19.8890

■ 249.1600, 2.0650,  
-9.8950

255.0000, -0.0000,  
-0.0000

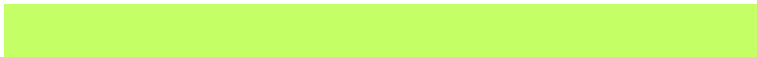
# Harmonies

## Analogous

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



222.3810, 62.9130, -44.3750



220.2160, 14.5450, -59.8790



193.9810, -71.1920, -64.4400

# Triad

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



220.2160, 14.5450, -59.8790



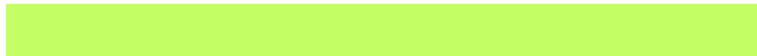
178.7550, -151.9800, -54.0600



202.2380, 30.0700, 38.7580

# Complementary

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



220.2160, 14.5450, -59.8790



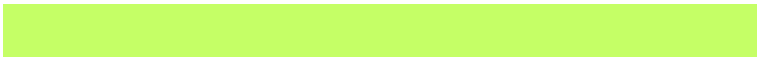
136.7840, -14.5450, 59.8790

# 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.



213.9100, 19.2500, 36.6100



220.2160, 14.5450, -59.8790



193.5380, -105.1720, -32.3080

# Square

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



220.2160, 14.5450, -59.8790



178.7550, -151.9800, -54.0600



228.5300, 5.0400, 18.8000



200.3730, 50.4780, 10.3020



# Rectangle

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



220.2160, 14.5450, -59.8790



173.9670, -138.4980, -67.1220



228.5300, 5.0400, 18.8000



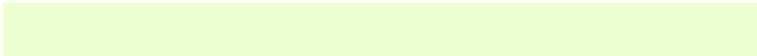
206.2790, 22.8250, 43.4090

# Sweetspot

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



220.2160, 14.5450, -59.8790



244.6730, 4.6340, -17.9100



180.6190, 75.7880, 3.1480



121.4050, 2.7530, -11.3510



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.



220.2160, 14.5450, -59.8790



213.0940, 17.3440, -72.0640



197.7910, -30.1550, -75.7790



125.0230, 1.1930, -5.1030



147.6980, 18.3990, -74.6650



49.5280, 6.2400, -24.9920



# Inverse Universe

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



136.7840, -14.5450, 59.8790



112.9060, -17.3440, 72.0640



159.2090, 30.1550, 75.7790



117.9770, -1.1930, 5.1030



43.6010, -17.8030, 74.8770

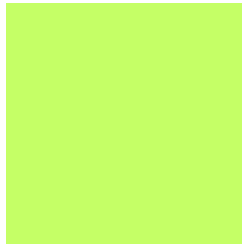


14.4720, -6.2400, 24.9920



# Previews

## White Background



This preview shows how the YIQ color 220.2160, 14.5450, -59.8790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

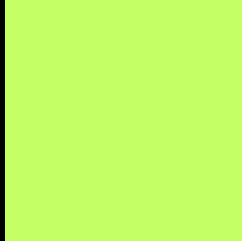
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 220.2160, 14.5450, -59.8790 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

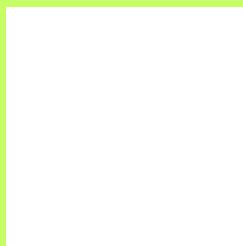
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 220.2160, 14.5450, -59.8790

## Background



This preview shows how black text looks on a background with the YIQ color 220.2160, 14.5450, -59.8790.



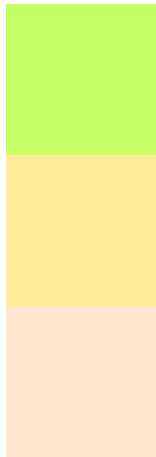
This preview shows how white text looks on a background with the YIQ color 220.2160, 14.5450,

-59.8790.

# 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

220.2160, 14.5450, -59.8790

### Protanopia

232.3330, 37.6460, -21.4740

### Deuteranopia

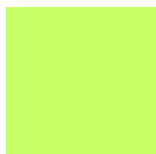
235.9130, 22.0540, -3.2100



## Tritanopia

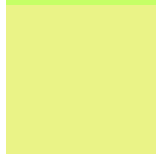
235.1430, -16.4600, 0.9480

# Trichromacy



## Original Color

220.2160, 14.5450, -59.8790



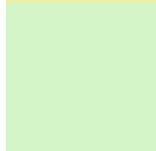
## Protanomaly

227.9970, 29.3040, -35.4960



## Deuteranomaly

229.9980, 19.5360, -23.6640



## Tritanomaly

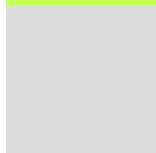
229.8890, -4.9020, -21.3020

# Monochromacy



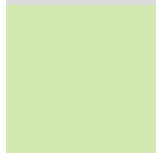
## Original Color

220.2160, 14.5450, -59.8790



## Achromatopsia

220.0000, 0.0000, 0.0000



## Achromatomaly

220.3370, 5.4600, -21.8680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 220.2160, 14.5450, -59.8790 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(197, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 102)  
}
```

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(197, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 220.2160, 14.5450, -59.8790 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(197, 255, 102) }
```



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

```
.border{ border-color:rgb(197, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 220.2160, 14.5450, -59.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 102) }
```

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

```
.background{ background-color: rgb(197,  
255, 102) }
```

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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