

# Converting Colors

YIQ(181.9520, -20.6630,  
-82.6070)

Have a look what the booklet for  
YIQ(181.9520, -20.6630, -82.6070)  
contains.

<b>YIQ(181.9520, -20.6630, -82.6070)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(181.9520, -20.6630,  
-82.6070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FF140
RGB	111, 241, 64
RGB Percent	44%, 95%, 25%
CMY	0.5651, 0.0547, 0.7489
CMYK	0.54, 0.00, 0.73, 0.05
HSL	104°, 86%, 60%
HSV	104°, 73%, 95%
XYZ	38.9392, 66.6856, 15.6719
YIQ	181.9520, -20.6630, -82.6070

# Conversions

## Conversions Part 2

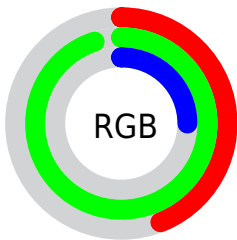
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">64, 241, 194</a>
Decimal	<a href="#">7336256</a>
CIELab	<a href="#">85.34, -65.48, 69.92</a>
CIElCh	<a href="#">85, 95.792, 133.122</a>
Yxy	<a href="#">66.6856, 0.3210, 0.5498</a>
Android (android.graphics.Color)	<a href="#">4285526336 (0xFF6FF140)</a>
YUV	<a href="#">181.9520, -58.1503, -62.2249</a>
Hunter-Lab	<a href="#">81.6612, -57.7914, 45.7843</a>

# Details

The YIQ color **181.9520, -20.6630, -82.6070** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **123.0480, 20.6630, 82.6070**, and the grayscale version is **183.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **215.3200, -6.1790, -58.7470**, and **118.7720, -29.1440, -88.6000** is the 20% darker color. If you saturate the color by 10%, you get **173.8340, -23.6870, -93.8870**, and if you desaturate by 10%, it is **190.0700, -17.6390, -71.3270**.

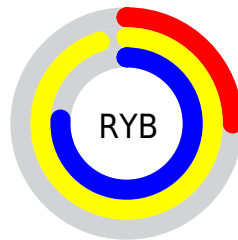
# Distribution



Red (44%)

Green (95%)

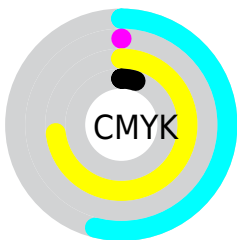
Blue (25%)



Red (25%)

Yellow (95%)

Blue (76%)

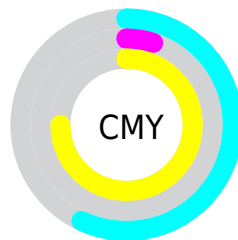


Cyan (54%)

Magenta (0%)

Yellow (73%)

Black (5%)



Cyan (57%)

Magenta (5%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 181.9520, -20.6630, -82.6070 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 181.9520, -20.6630, -82.6070 by changing the saturation by 10% instead.



■ 181.9520,  
-20.6630, -82.6070

■ 181.9520,  
-20.6630, -82.6070

■ 255.0000, -0.0000,  
-0.0000

■ 151.0720,  
-21.1210, -85.3210

■ 215.3200, -6.1790,  
-58.7470

■ 118.7720,  
-29.1440, -88.6000

■ 227.8950, 2.9880,  
-43.1560

■ 91.5720, -42.9000,  
-81.5880

■ 240.1710, 11.5590,  
-27.7770

■ 75.7230, -35.4750,  
-67.4670

■ 249.7560, 14.7660,  
-14.3060

■ 60.4610, -28.3250,  
-53.8690

■ 253.0620, 5.4570,  
-5.2870

■ 45.1990, -21.1750,  
-40.2710

■ 31.6980, -14.8500,

-28.2420

■ 15.8490, -7.4250,  
-14.1210

■ 0.0000, 0.0000,  
0.0000

■ 181.9520,  
-20.6630, -82.6070

■ 181.9520,  
-20.6630, -82.6070

■ 173.8340,  
-23.6870, -93.8870

■ 190.0700,  
-17.6390, -71.3270

■ 165.7160,  
-26.7110, -105.1670


■ 197.8890,  
-15.2110, -60.2590

■ 160.6030,  
-28.1310, -112.4750


■ 206.0070,  
-12.1870, -48.9790


■ 214.1250, -9.1630,  
-37.6990

 222.3570, -6.4600,  
-26.1080

 230.1760, -4.0320,  
-15.0400

 238.2940, -1.0080,  
-3.7600

 246.1840, 2.6580,  
6.8980

 246.7820, 3.8500,  
7.3220

# Harmonies

## Analogous

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



195.4960, 68.8780, -69.8900



181.9520, -20.6630, -82.6070



165.2350, -119.4220, -82.4460

# Triad

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



181.9520, -20.6630, -82.6070



168.7760, -147.3050, -45.1690



164.5150, 63.2630, 48.4390

# Complementary

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



181.9520, -20.6630, -82.6070



123.0480, 20.6630, 82.6070

# 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.



179.2770, 35.4750, 67.4670



181.9520, -20.6630, -82.6070



170.8670, -104.1200, -18.3280

# Square

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



181.9520, -20.6630, -82.6070



176.4070, -150.8800, -51.9680



205.1050, 23.3750, 44.4550



174.1960, 81.4730, 4.7450



# Rectangle

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



181.9520, -20.6630, -82.6070



174.1780, -140.4700, -64.4220



205.1050, 23.3750, 44.4550



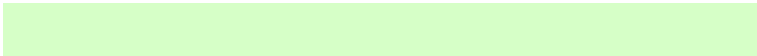
166.2880, 54.1370, 59.6490

# Sweetspot

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



181.9520, -20.6630, -82.6070



236.3570, -6.4600, -26.1080



193.2330, 69.7420, -30.4660



116.6490, -3.9860, -15.8740



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.



181.9520, -20.6630, -82.6070



180.1290, -26.4360, -104.6440



172.5730, -61.8360, -79.8200



115.9410, -1.5120, -5.6400



122.6590, -21.3960, -85.8440



37.3570, -6.4600, -26.1080



# Inverse Universe

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



123.0480, 20.6630, 82.6070



105.8710, 26.4360, 104.6440



132.4270, 61.8360, 79.8200



112.0590, 1.5120, 5.6400



61.3410, 21.3960, 85.8440

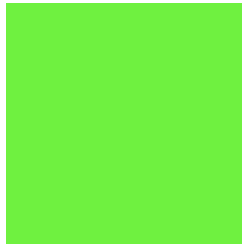


18.6430, 6.4600, 26.1080



# Previews

## White Background



This preview shows how the YIQ color 181.9520, -20.6630, -82.6070 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 181.9520, -20.6630, -82.6070 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 181.9520, -20.6630, -82.6070 Background



This preview shows how black text looks on a background with the YIQ color 181.9520, -20.6630, -82.6070.



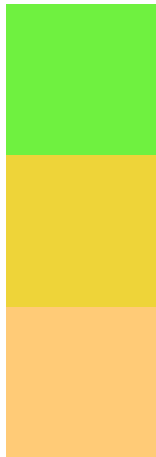
This preview shows how white text looks on a background with the YIQ color 181.9520, -20.6630, -82.6070.

-82.6070.

# 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

181.9520, -20.6630, -82.6070

### Protanopia

202.1040, 65.2510, -42.6930

### Deuteranopia

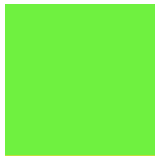
208.9720, 57.9560, -15.1000



## Tritanopia

202.8330, -54.0540, -11.5740

# Trichromacy



## Original Color

181.9520, -20.6630, -82.6070



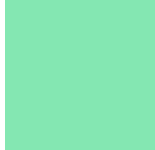
## Protanomaly

195.1490, 33.8470, -57.2650



## Deuteranomaly

199.3620, 29.5340, -39.6660



## Tritanomaly

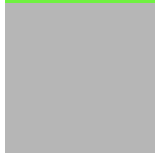
195.3570, -41.9910, -37.4710

# Monochromacy



## Original Color

181.9520, -20.6630, -82.6070



## Achromatopsia

182.0000, -0.0000, -0.0000



## Achromatomaly

181.6510, -7.4680, -29.8680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 181.9520, -20.6630, -82.6070 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(111, 241, 64)` looks like.

```
.text, #text, p{  
    color:rgb(111, 241, 64)  
}
```

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(111, 241, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 241, 64) }
```

## Border

The CSS property to change the border of an element to YIQ 181.9520, -20.6630, -82.6070 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(111, 241, 64) }
```



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

```
.border{ border-color:rgb(111, 241, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 241, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 241, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 241, 64);  
box-shadow:4px 4px 4px 4px rgb(111, 241,  
64) }
```

# Background

The CSS property to change the background color of an element to YIQ 181.9520, -20.6630, -82.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 241, 64) }
```

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

```
.background{ background-color: rgb(111,  
241, 64) }
```

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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