

# Converting Colors

YIQ(191.6320, -77.5190,  
-65.4150)

Have a look what the booklet for  
YIQ(191.6320, -77.5190, -65.4150)  
contains.

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# Color

**YIQ(191.6320, -77.5190,  
-65.4150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFA6
RGB	77, 255, 166
RGB Percent	30%, 100%, 65%
CMY	0.6985, 0.0000, 0.3492
CMYK	0.70, 0.00, 0.35, 0.00
HSL	150°, 100%, 65%
HSV	150°, 70%, 100%
XYZ	45.6881, 75.8436, 48.2784
YIQ	191.6320, -77.5190, -65.4150

# Conversions

## Conversions Part 2

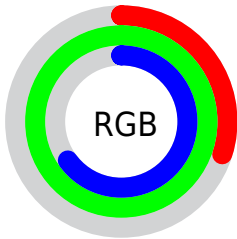
Format	Color
<a href="#">RYB</a>	<a href="#">77, 196, 255</a>
Decimal	<a href="#">5111718</a>
CIELab	<a href="#">89.79, -64.30, 29.88</a>
CIELCh	<a href="#">90, 70.907, 155.075</a>
Yxy	<a href="#">75.8436, 0.2691, 0.4466</a>
Android (android.graphics.Color)	<a href="#">4283301798 (0xFF4DFFA6)</a>
YUV	<a href="#">191.6320, -12.6366, -100.5323</a>
Hunter-Lab	<a href="#">87.0883, -58.7601, 28.0937</a>

# Details

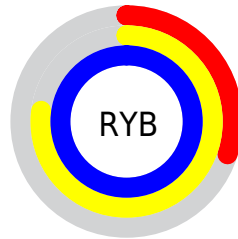
The YIQ color **191.6320, -77.5190, -65.4150** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **140.3680, 77.5190, 65.4150**, and the grayscale version is **192.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **218.6470, -54.3710, -33.3710**, and **128.5210, -90.4480, -67.8880** is the 20% darker color. If you saturate the color by 10%, you get **182.3760, -88.8420, -74.9700**, and if you desaturate by 10%, it is **200.5890, -66.7920, -56.0720**.

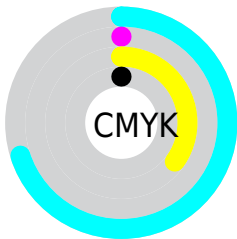
# Distribution



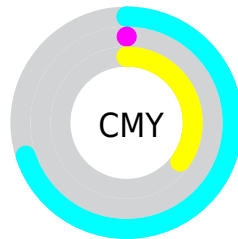
- Red (30%)
- Green (100%)
- Blue (65%)



- Red (30%)
- Yellow (77%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 191.6320, -77.5190, -65.4150 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 191.6320, -77.5190, -65.4150 by changing the saturation by 10% instead.



■ 191.6320,  
-77.5190, -65.4150

■ 191.6320,  
-77.5190, -65.4150

■ 255.0000, -0.0000,  
-0.0000

■ 156.2820,  
-91.2730, -69.4570

■ 218.5330,  
-54.0500, -33.6820

■ 128.5210,  
-90.4480, -67.8880

■ 231.1080,  
-44.8830, -18.0910

■ 109.2350,  
-74.7230, -61.0190

■ 240.9470,  
-28.0120, -9.9640

■ 90.0630, -59.3190,  
-53.8390

■ 250.5150, -8.9400,  
-3.1800

■ 72.0650, -44.4650,  
-47.7050

■ 53.5940, -29.6570,  
-40.7370

■ 36.9810, -17.3250,

-32.9490

■ 22.8930, -10.7250,  
-20.3970

■ 0.0000, 0.0000,  
0.0000

■ 191.6320,  
-77.5190, -65.4150

■ 191.6320,  
-77.5190, -65.4150

■ 182.3760,  
-88.8420, -74.9700

■ 200.5890,  
-66.7920, -56.0720

■ 173.4190,  
-99.5690, -84.3130

■ 209.7310,  
-55.1480, -46.8280

■ 164.2770,  
-111.2130, -93.5570

■ 218.6880,  
-44.4210, -37.4850

■ 227.9440,  
-33.0980, -27.9300

■ 236.9010,  
-22.3710, -18.5870

■ 246.0430,  
-10.7270, -9.3430

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.



210.0720, 6.3830, -55.1290



191.6320, -77.5190, -65.4150



176.5890, -145.8810, -59.9690

# Triad

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



191.6320, -77.5190, -65.4150



197.5790, -76.8860, -16.2940



197.3580, 54.8340, 8.4500

# Complementary

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



191.6320, -77.5190, -65.4150



140.3680, 77.5190, 65.4150

# 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.



197.8380, 36.9480, 35.2520



191.6320, -77.5190, -65.4150



221.4860, 8.3400, 25.0760

# Square

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



191.6320, -77.5190, -65.4150



174.6460, -150.0550, -50.3990



209.2140, 21.4500, 40.7940



205.7460, 64.2840, -19.6520



# Rectangle

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



191.6320, -77.5190, -65.4150



178.7550, -151.9800, -54.0600



209.2140, 21.4500, 40.7940



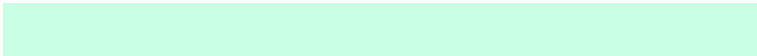
196.2300, 49.7430, 18.1190

# Sweetspot

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



191.6320, -77.5190, -65.4150



235.7760, -23.5170, -19.8450



208.0970, 4.0940, -74.2260



116.6080, -13.9360, -11.7600



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.



191.6320, -77.5190, -65.4150



178.8160, -93.1970, -78.6450



201.7780, -106.0880, -37.7360



123.3150, -5.5010, -4.9330



123.0610, -83.3410, -70.0370



41.2160, -27.8720, -23.5200



# Inverse Universe

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



140.3680, 77.5190, 65.4150



117.1840, 93.1970, 78.6450



130.2220, 106.0880, 37.7360



119.5710, 5.8220, 4.6220



68.0530, 83.0200, 70.3480

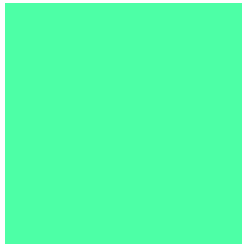


22.7840, 27.8720, 23.5200



# Previews

## White Background



This preview shows how the YIQ color 191.6320, -77.5190, -65.4150 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 191.6320, -77.5190, -65.4150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

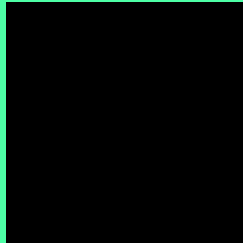
Any Text WCAG AA ✓ Pass

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 191.6320, -77.5190, -65.4150 Background



This preview shows how black text looks on a background with the YIQ color 191.6320, -77.5190, -65.4150.



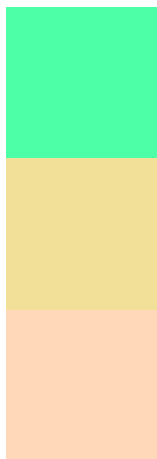
This preview shows how white text looks on a background with the YIQ color 191.6320, -77.5190, -65.4150.

-65.4150.

# 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

191.6320, -77.5190, -65.4150

### Protanopia

221.2880, 33.5190, -18.2650

### Deuteranopia

224.2410, 32.8740, -1.0620



## Tritanopia

213.0170, -60.5640, -14.7400

# Trichromacy



## Original Color

191.6320, -77.5190, -65.4150



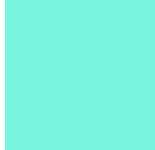
## Protanomaly

210.3750, -6.8710, -35.1830



## Deuteranomaly

212.2260, -7.4690, -24.3410



## Tritanomaly

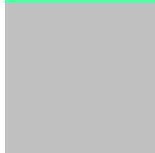
205.4160, -66.8420, -33.1300

# Monochromacy



## Original Color

191.6320, -77.5190, -65.4150



## Achromatopsia

192.0000, -0.0000, 0.0000



## Achromatomaly

191.9170, -28.4680, -23.7320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 191.6320, -77.5190, -65.4150 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(77, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 166)  
}
```

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(77, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 166) }
```

## Border

The CSS property to change the border of an element to YIQ 191.6320, -77.5190, -65.4150 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(77, 255, 166) }
```



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

```
.border{ border-color:rgb(77, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
166) }
```

# Background

The CSS property to change the background color of an element to YIQ 191.6320, -77.5190, -65.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 166) }
```

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

```
.background{ background-color: rgb(77, 255,  
166) }
```

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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