

# Converting Colors

YIQ(189.1290, 44.6260,  
-81.9180)

Have a look what the booklet for  
YIQ(189.1290, 44.6260, -81.9180)  
contains.

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# Color

**YIQ(189.1290, 44.6260,  
-81.9180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E600
RGB	181, 230, 0
RGB Percent	71%, 90%, 0%
CMY	0.2905, 0.0979, 0.9995
CMYK	0.21, 0.00, 1.00, 0.10
HSL	73°, 100%, 45%
HSV	73°, 100%, 90%
XYZ	47.3434, 66.4207, 10.3278
YIQ	189.1290, 44.6260, -81.9180

# Conversions

## Conversions Part 2

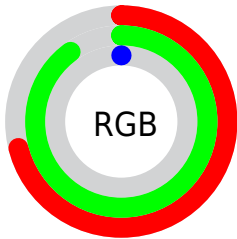
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 230, 49</a>
Decimal	<a href="#">11920896</a>
CIELab	<a href="#">85.21, -39.90, 83.29</a>
CIELCh	<a href="#">85, 92.356, 115.599</a>
Yxy	<a href="#">66.4207, 0.3815, 0.5353</a>
Android (android.graphics.Color)	<a href="#">4290110976 (0xFFB5E600)</a>
YUV	<a href="#">189.1290, -93.2406, -7.1291</a>
Hunter-Lab	<a href="#">81.4989, -38.9309, 49.5358</a>

# Details

The YIQ color **189.1290, 44.6260, -81.9180** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **40.8710, -44.6260, 81.9180**, and the grayscale version is **190.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **231.8900, 44.9420, -54.5940**, and **138.6160, 24.8620, -65.1380** is the 20% darker color. If you saturate the color by 10%, you get **189.1290, 44.6260, -81.9180**, and if you desaturate by 10%, it is **193.2460, 40.2230, -73.7050**.

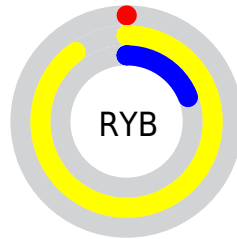
# Distribution



Red (71%)

Green (90%)

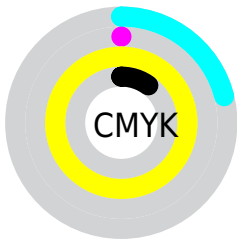
Blue (0%)



Red (0%)

Yellow (90%)

Blue (19%)

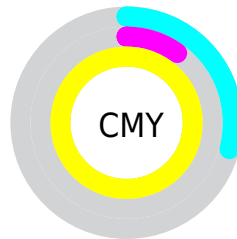


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (29%)

Magenta (10%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 189.1290, 44.6260, -81.9180 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 189.1290, 44.6260, -81.9180 by changing the saturation by 10% instead.




 189.1290, 44.6260,  
-81.9180


 189.1290, 44.6260,  
-81.9180


255.0000, -0.0000,  
-0.0000


 163.7230, 34.4460,  
-73.6340


 231.8900, 44.9420,  
-54.5940

 138.6160, 24.8620,  
-65.1380


 239.6100, 43.3350,  
-41.9850


 114.6830, 14.7280,  
-57.6880


 242.9160, 34.0260,  
-32.9660

 90.1630, 4.8690,  
-49.7150

 246.3360, 24.3960,  
-23.6360

 65.6210, -7.9240,  
-43.6360

 249.6420, 15.0870,  
-14.6170

 42.2640, -19.8000,  
-37.6560

 253.0620, 5.4570,

 28.7630, -13.4750,

-5.2870

-25.6270

■ 15.8490, -7.4250,  
-14.1210

■ 0.0000, 0.0000,  
0.0000

■ 189.1290, 44.6260,  
-81.9180

■ 193.2460, 40.2230,  
-73.7050

■ 197.3630, 35.8200,  
-65.4920

■ 201.4800, 31.4170,  
-57.2790

■ 205.5970, 27.0140,  
-49.0660

■ 209.4150, 22.0150,  
-41.0650

■ 213.5320, 17.6120,  
-32.8520

■ 217.6490, 13.2090,  
-24.6390

■ 221.7660, 8.8060,  
-16.4260

■ 225.8830, 4.4030,  
-8.2130

# Harmonies

## Analogous

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



195.9930, 95.8800, -52.6320



189.1290, 44.6260, -81.9180



160.4980, -92.7820, -91.6780

# Triad

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



189.1290, 44.6260, -81.9180



173.4720, -149.5050, -49.3530



174.0790, 44.6000, 61.7840

# Complementary

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



189.1290, 44.6260, -81.9180



40.8710, -44.6260, 81.9180

# 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.



195.1260, 28.0500, 53.3460



189.1290, 44.6260, -81.9180



162.3190, -144.2800, -39.4160

# Square

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



189.1290, 44.6260, -81.9180



176.9940, -151.1550, -52.4910



198.5510, -25.8160, 16.3280



169.4440, 70.0520, 30.0200



# Rectangle

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



189.1290, 44.6260, -81.9180



165.6740, -122.0360, -79.1240



198.5510, -25.8160, 16.3280



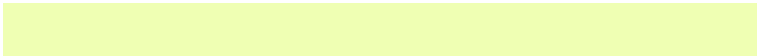
181.0380, 34.6500, 65.8980

# Sweetspot

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



189.1290, 44.6260, -81.9180



241.5520, 14.8600, -27.0280



95.7720, 124.4300, 24.7020



119.7660, 8.8060, -16.4260



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.



189.1290, 44.6260, -81.9180



209.7840, 49.6710, -90.7530



155.6410, -22.1260, -105.6620



112.7350, 2.0640, -4.3680



146.9330, 34.2150, -63.9370



41.8970, 9.8150, -18.1930



# Inverse Universe

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



40.8710, -44.6260, 81.9180



45.2160, -49.6710, 90.7530



74.3590, 22.1260, 105.6620



105.2650, -2.0640, 4.3680



31.7680, -34.8110, 63.7250

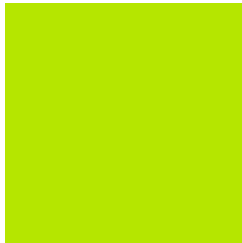


9.1030, -9.8150, 18.1930



# Previews

## White Background



This preview shows how the YIQ color 189.1290, 44.6260, -81.9180 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 189.1290, 44.6260, -81.9180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

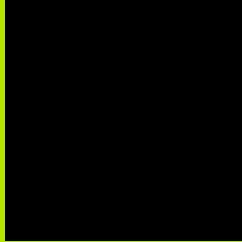
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 189.1290, 44.6260, -81.9180

## Background



This preview shows how black text looks on a background with the YIQ color 189.1290, 44.6260, -81.9180.



This preview shows how white text looks on a background with the YIQ color 189.1290, 44.6260,

-81.9180.

# 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

189.1290, 44.6260, -81.9180

### Protanopia

196.4920, 83.8690, -60.7310

### Deuteranopia

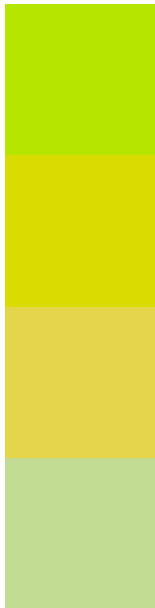
209.3310, 58.3230, -16.2450



## Tritanopia

212.0510, -13.2050, 2.5310

# Trichromacy



## Original Color

189.1290, 44.6260, -81.9180

## Protanomaly

193.7350, 69.7030, -68.3210

## Deuteranomaly

201.6390, 53.5590, -40.0490

## Tritanomaly

203.9040, 7.9370, -28.2150

# Monochromacy



## Original Color

189.1290, 44.6260, -81.9180

## Achromatopsia

189.0000, -0.0000, -0.0000

## Achromatomaly

189.0420, 16.2360, -29.9400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 189.1290, 44.6260, -81.9180 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(181, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 230, 0)  
}
```

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(181, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 230, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 189.1290, 44.6260, -81.9180 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(181, 230, 0) }
```



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

```
.border{ border-color:rgb(181, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 230,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 189.1290, 44.6260, -81.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 230, 0) }
```

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

```
.background{ background-color: rgb(181,  
230, 0) }
```

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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