

# Converting Colors

YIQ(213.1720, 69.4300,  
-79.8980)

Have a look what the booklet for  
YIQ(213.1720, 69.4300, -79.8980)  
contains.

<b>YIQ(213.1720, 69.4300, -79.8980)</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(213.1720, 69.4300,  
-79.8980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F600
RGB	230, 246, 0
RGB Percent	90%, 96%, 0%
CMY	0.0982, 0.0352, 0.9994
CMYK	0.07, 0.00, 1.00, 0.04
HSL	64°, 100%, 48%
HSV	64°, 100%, 96%
XYZ	65.5757, 82.7304, 12.5158
YIQ	213.1720, 69.4300, -79.8980

# Conversions

## Conversions Part 2

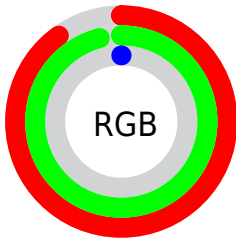
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 246, 16
Decimal	15136256
CIELab	92.90, -27.57, 90.51
CIELCh	93, 94.614, 106.940
Yxy	82.7304, 0.4078, 0.5144
Android (android.graphics.Color)	4293326336 (0xFFE6F600)
YUV	213.1720, -105.0938, 14.7582
Hunter-Lab	90.9563, -30.4823, 55.5110

# Details

The YIQ color **213.1720, 69.4300, -79.8980** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **32.8280, -69.4300, 79.8980**, and the grayscale version is **214.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.6460, 51.6810, -50.0710**, and **162.3600, 49.0700, -63.3300** is the 20% darker color. If you saturate the color by 10%, you get **213.1720, 69.4300, -79.8980**, and if you desaturate by 10%, it is **216.6200, 62.5970, -71.6990**.

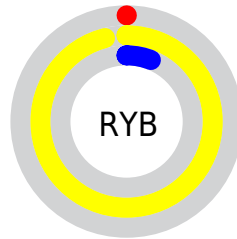
# Distribution



Red (90%)

Green (96%)

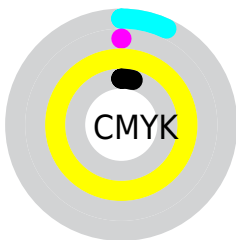
Blue (0%)



Red (0%)

Yellow (96%)

Blue (6%)

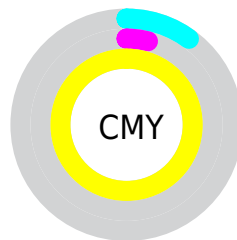


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (10%)

Magenta (4%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.1720, 69.4300, -79.8980 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 213.1720, 69.4300, -79.8980 by changing the saturation by 10% instead.




 213.1720, 69.4300,  
-79.8980


 213.1720, 69.4300,  
-79.8980


255.0000, -0.0000,  
-0.0000


 187.7660, 59.2500,  
-71.6140


 236.6460, 51.6810,  
-50.0710


 162.3600, 49.0700,  
-63.3300


 240.1800, 41.7300,  
-40.4300


 137.5410, 38.6150,  
-55.5690


 243.6000, 32.1000,  
-31.1000

 113.6080, 28.4810,  
-48.1190

 247.0200, 22.4700,  
-21.7700

 89.6750, 18.3470,  
-40.6690

 250.4400, 12.8400,  
-12.4400

 67.2150, 8.2590,  
-34.0530

 253.8600, 3.2100,

 44.4560, -2.4250,

-3.1100

-27.6490

■ 24.0670, -11.2750,  
-21.4430

■ 10.5660, -4.9500,  
-9.4140

■ 213.1720, 69.4300,  
-79.8980

■ 216.6200, 62.5970,  
-71.6990

■ 219.6550, 55.4890,  
-64.0230

■ 223.1030, 48.6560,  
-55.8240

■ 226.2520, 41.2270,  
-47.8370

■ 229.5860, 34.7150,  
-39.9490

■ 233.0340, 27.8820,  
-31.7500

■ 236.0690, 20.7740,  
-24.0740

■ 239.5170, 13.9410,  
-15.8750

■ 242.6660, 6.5120,  
-7.8880

# Harmonies

## Analogous

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



205.3170, 86.1600, -52.6880



213.1720, 69.4300, -79.8980



196.3670, -31.8970, -77.2490

# Triad

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



213.1720, 69.4300, -79.8980



178.7550, -151.9800, -54.0600



192.7780, 29.1500, 55.4380

# Complementary

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



213.1720, 69.4300, -79.8980



32.8280, -69.4300, 79.8980

# 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.



214.4970, 18.9750, 36.0870



213.1720, 69.4300, -79.8980



178.7550, -151.9800, -54.0600

# Square

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



213.1720, 69.4300, -79.8980



178.7550, -151.9800, -54.0600



206.2720, -56.6680, -8.2520



182.6780, 52.0780, 36.3820



# Rectangle

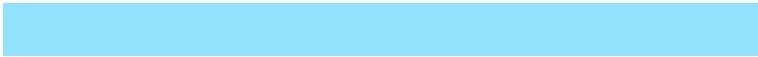
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



213.1720, 69.4300, -79.8980



167.8110, -121.1640, -83.9160



206.2720, -56.6680, -8.2520



198.6480, 26.4000, 50.2080

# Sweetspot

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



213.1720, 69.4300, -79.8980



244.8410, 21.4160, -24.6960



80.5980, 143.3160, 45.8760



121.8590, 12.9780, -14.9420



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.



213.1720, 69.4300, -79.8980



220.8470, 71.7230, -82.9090



177.5910, -1.4940, -105.1260



120.6320, 3.8520, -3.7320



161.2080, 52.5540, -60.3900



51.0780, 16.5550, -19.1970



# Inverse Universe

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



32.8280, -69.4300, 79.8980



34.1530, -71.7230, 82.9090



68.4090, 1.4940, 105.1260



111.6670, -3.2560, 3.9440



24.7920, -52.5540, 60.3900

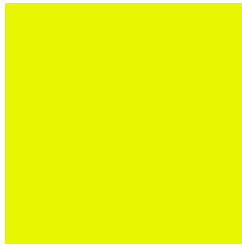


7.9220, -16.5550, 19.1970



# Previews

## White Background



This preview shows how the YIQ color 213.1720, 69.4300, -79.8980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

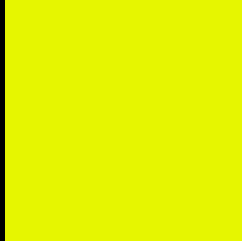
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.1720, 69.4300, -79.8980 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 213.1720, 69.4300, -79.8980

## Background



This preview shows how black text looks on a background with the YIQ color 213.1720, 69.4300, -79.8980.



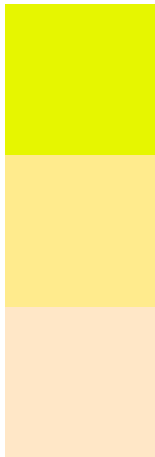
This preview shows how white text looks on a background with the YIQ color 213.1720, 69.4300, -79.8980.

-79.8980.

# 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

213.1720, 69.4300, -79.8980

### Protanopia

230.2640, 42.0940, -24.9940

### Deuteranopia

234.5280, 24.5760, -4.8640



## Tritanopia

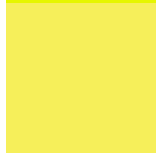
236.4340, 4.9500, 9.4140

# Trichromacy



## Original Color

213.1720, 69.4300, -79.8980



## Protanomaly

224.1070, 52.0010, -44.8550



## Deuteranomaly

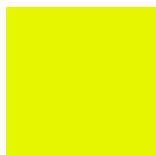
226.5640, 40.9490, -31.7790



## Tritanomaly

227.9020, 28.6140, -22.9860

# Monochromacy



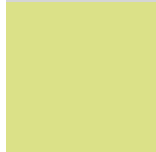
## Original Color

213.1720, 69.4300, -79.8980



## Achromatopsia

213.0000, -0.0000, 0.0000



## Achromatomaly

213.0600, 24.9930, -28.9510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.1720, 69.4300, -79.8980 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(230, 246, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 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(230, 246, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 213.1720, 69.4300, -79.8980 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(230, 246, 0) }
```



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

```
.border{ border-color:rgb(230, 246, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 246, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.1720, 69.4300, -79.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 0) }
```

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

```
.background{ background-color: rgb(230,  
246, 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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