

# Converting Colors

YIQ(218.5100, 74.2900,  
-79.8700)

Have a look what the booklet for  
YIQ(218.5100, 74.2900, -79.8700)  
contains.

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# Color

**YIQ(218.5100, 74.2900,  
-79.8700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FA00
RGB	240, 250, 0
RGB Percent	94%, 98%, 0%
CMY	0.0590, 0.0196, 0.9994
CMYK	0.04, 0.00, 1.00, 0.02
HSL	62°, 100%, 49%
HSV	62°, 100%, 98%
XYZ	70.1070, 86.8909, 13.0802
YIQ	218.5100, 74.2900, -79.8700

# Conversions

## Conversions Part 2

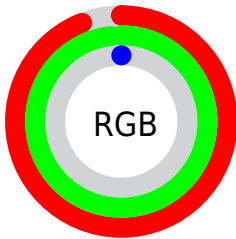
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 250, 10
Decimal	15792640
CIELab	94.69, -25.36, 92.16
CIELCh	95, 95.589, 105.383
Yxy	86.8909, 0.4122, 0.5109
Android (android.graphics.Color)	4293982720 (0xFFFF0FA00)
YUV	218.5100, -107.7254, 18.8467
Hunter-Lab	93.2153, -28.8773, 56.9310

# Details

The YIQ color **218.5100, 74.2900, -79.8700** 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 **31.4900, -74.2900, 79.8700**, and the grayscale version is **220.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.7600, 51.3600, -49.7600**, and **167.3990, 53.3340, -63.5140** is the 20% darker color. If you saturate the color by 10%, you get **218.5100, 74.2900, -79.8700**, and if you desaturate by 10%, it is **221.6590, 66.8610, -71.8830**.

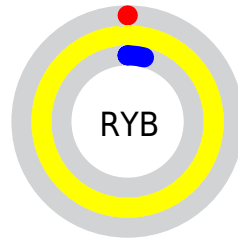
# Distribution



Red (94%)

Green (98%)

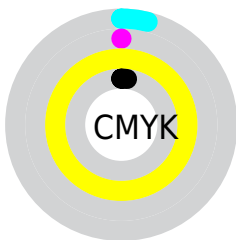
Blue (0%)



Red (0%)

Yellow (98%)

Blue (4%)

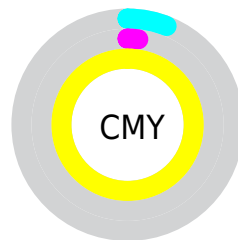


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (6%)

Magenta (2%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.5100, 74.2900, -79.8700 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 218.5100, 74.2900, -79.8700 by changing the saturation by 10% instead.





 218.5100, 74.2900,  
-79.8700


 218.5100, 74.2900,  
-79.8700


255.0000, -0.0000,  
-0.0000


 192.8050, 63.5140,  
-71.7980


 236.7600, 51.3600,  
-49.7600


 167.3990, 53.3340,  
-63.5140


 240.2940, 41.4090,  
-40.1190


 142.5800, 42.8790,  
-55.7530


 243.7140, 31.7790,  
-30.7890

 118.0600, 33.0200,  
-47.7800

 247.1340, 22.1490,  
-21.4590

 94.7140, 22.6110,  
-40.8530

 250.5540, 12.5190,  
-12.1290

 72.2540, 12.5230,  
-34.2370

 254.0880, 2.5680,

 49.7940, 2.4350,

-2.4880

-27.6210

■ 27.9100, -9.3950,  
-22.4750

■ 14.6750, -6.8750,  
-13.0750

■ 218.5100, 74.2900,  
-79.8700

■ 221.6590, 66.8610,  
-71.8830

■ 224.8080, 59.4320,  
-63.8960

■ 227.9570, 52.0030,  
-55.9090

■ 231.1060, 44.5740,  
-47.9220

■ 234.2550, 37.1450,  
-39.9350

■ 237.4040, 29.7160,  
-31.9480

■ 240.5530, 22.2870,  
-23.9610

■ 243.7020, 14.8580,  
-15.9740

■ 246.8510, 7.4290,  
-7.9870

# Harmonies

## Analogous

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



208.2180, 82.1250, -51.1470



218.5100, 74.2900, -79.8700



199.8410, -24.4240, -75.0160

# Triad

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



218.5100, 74.2900, -79.8700



178.7550, -151.9800, -54.0600



195.7130, 27.7750, 52.8230

# Complementary

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



218.5100, 74.2900, -79.8700



31.4900, -74.2900, 79.8700

# 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.



218.6060, 17.0500, 32.4260



218.5100, 74.2900, -79.8700



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.



218.5100, 74.2900, -79.8700



178.7550, -151.9800, -54.0600



207.3910, -64.5530, -14.0330



185.4650, 48.3640, 37.6120



# Rectangle

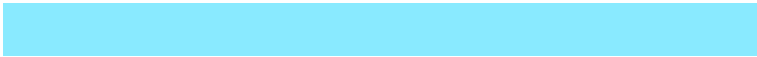
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



218.5100, 74.2900, -79.8700



167.6970, -120.8430, -84.2270



207.3910, -64.5530, -14.0330



202.1700, 24.7500, 47.0700

# Sweetspot

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



218.5100, 74.2900, -79.8700



245.4390, 22.6080, -24.2720



79.4460, 146.8000, 48.8160



122.1580, 13.5740, -14.7300



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.



218.5100, 74.2900, -79.8700



222.9400, 75.8950, -81.4250



181.7330, 0.9820, -105.9460



123.2190, 3.5770, -4.2550



165.0620, 55.9010, -60.4750



53.4480, 18.3890, -19.3950



# Inverse Universe

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



31.4900, -74.2900, 79.8700



32.0600, -75.8950, 81.4250



68.2670, -0.9820, 105.9460



113.7810, -3.5770, 4.2550



23.9380, -55.9010, 60.4750

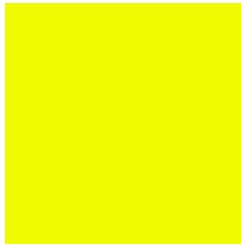


7.5520, -18.3890, 19.3950



# Previews

## White Background



This preview shows how the YIQ color 218.5100, 74.2900, -79.8700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

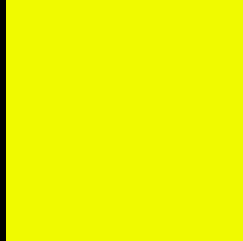
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 218.5100, 74.2900, -79.8700 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 218.5100, 74.2900, -79.8700

## Background



This preview shows how black text looks on a background with the YIQ color 218.5100, 74.2900, -79.8700.



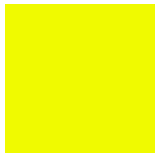
This preview shows how white text looks on a background with the YIQ color 218.5100, 74.2900, -79.8700.

-79.8700.

# 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



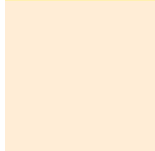
### Original Color

218.5100, 74.2900, -79.8700



### Protanopia

237.3030, 29.1630, -16.4130



### Deuteranopia

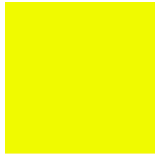
239.7600, 18.1110, -3.3370



## Tritanopia

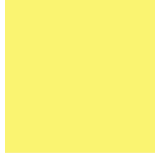
241.4020, 7.9760, 9.6400

# Trichromacy



## Original Color

218.5100, 74.2900, -79.8700



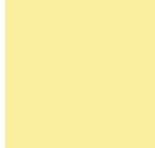
## Protanomaly

230.8600, 45.6270, -39.4690



## Deuteranomaly

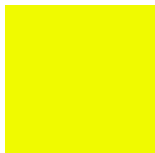
232.3080, 38.7940, -31.2700



## Tritanomaly

233.0550, 32.5570, -22.8590

# Monochromacy



## Original Color

218.5100, 74.2900, -79.8700



## Achromatopsia

219.0000, 0.0000, -0.0000



## Achromatomaly

218.7290, 27.4230, -28.9370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.5100, 74.2900, -79.8700 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(240, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 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(240, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 218.5100, 74.2900, -79.8700 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(240, 250, 0) }
```



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

```
.border{ border-color:rgb(240, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 250,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.5100, 74.2900, -79.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 0) }
```

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

```
.background{ background-color: rgb(240,  
250, 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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