

# Converting Colors

YIQ(216.1520, -74.5460,  
-25.6660)

Have a look what the booklet for  
YIQ(216.1520, -74.5460, -25.6660)  
contains.

<b>YIQ(216.1520, -74.5460, -25.6660)</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(216.1520, -74.5460,  
-25.6660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FDFF
RGB	129, 253, 255
RGB Percent	51%, 99%, 100%
CMY	0.4944, 0.0076, 0.0003
CMYK	0.49, 0.01, 0.00, 0.00
HSL	181°, 100%, 75%
HSV	181°, 49%, 100%
XYZ	62.2214, 82.1599, 107.1228
YIQ	216.1520, -74.5460, -25.6660

# Conversions

## Conversions Part 2

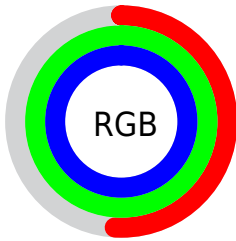
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 191, 255
Decimal	8519167
CIE <sub>Lab</sub>	92.65, -34.15, -11.60
CIE <sub>LCh</sub>	93, 36.067, 198.756
Yxy	82.1599, 0.2474, 0.3267
Android (android.graphics.Color)	4286709247 (0xFF81FDFF)
YUV	216.1520, 19.1521, -76.4323
Hunter-Lab	90.6421, -36.0920, -6.6208

# Details

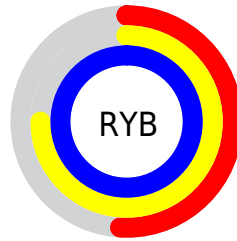
The YIQ color **216.1520, -74.5460, -25.6660** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **167.8480, 74.5460, 25.6660**, and the grayscale version is **216.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **235.5650, -38.7400, -13.7800**, and **156.4610, -79.9100, -27.5740** is the 20% darker color. If you saturate the color by 10%, you get **208.3780, -90.0420, -31.1780**, and if you desaturate by 10%, it is **223.6270, -59.6460, -20.3660**.

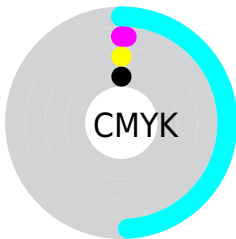
# Distribution



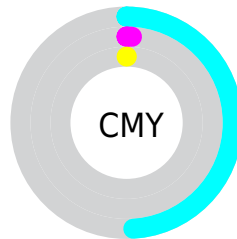
- Red (51%)
- Green (99%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 216.1520, -74.5460, -25.6660 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 216.1520, -74.5460, -25.6660 by changing the saturation by 10% instead.



216.1520,  
-74.5460, -25.6660

216.1520,  
-74.5460, -25.6660

255.0000, -0.0000,  
-0.0000

186.5540,  
-75.7380, -26.0900

235.5650,  
-38.7400, -13.7800

156.4610,  
-79.9100, -27.5740

244.5350,  
-20.8600, -7.4200

120.5020,  
-96.3230, -32.9870

253.5050, -2.9800,  
-1.0600

99.8840, -85.5950,  
-29.1710

81.6580, -70.0990,  
-23.6590

63.5460, -54.9240,  
-17.8360

46.8360, -40.9410,

-12.4370

■ 31.3000, -27.5080,  
-8.0840

■ 13.7580, -13.9380,  
-0.7060

■ 216.1520,  
-74.5460, -25.6660

■ 216.1520,  
-74.5460, -25.6660

■ 208.3780,  
-90.0420, -31.1780

■ 223.6270,  
-59.6460, -20.3660

■ 200.3160,  
-104.6670, -35.9550

■ 231.9880,  
-44.4250, -15.3770

■ 192.5420,  
-120.1630, -41.4670

■ 239.4630,  
-29.5250, -10.0770

■ 185.0670,  
-135.0630, -46.7670

■ 247.8240,  
-14.3040, -5.0880

■ 176.7060,  
-150.2840, -51.7560

255.0000, -0.0000,  
-0.0000

■ 176.4070,  
-150.8800, -51.9680

# Harmonies

## Analogous

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



219.8330, -46.0270, -30.4030



216.1520, -74.5460, -25.6660



214.7010, -71.6580, -22.9380

# Triad

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



216.1520, -74.5460, -25.6660



233.2810, 10.1750, 19.3510



228.4180, 36.2690, -13.0350

# Complementary

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



216.1520, -74.5460, -25.6660



167.8480, 74.5460, 25.6660

# 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.



223.8990, 33.8370, -1.9950



216.1520, -74.5460, -25.6660



227.7870, 14.6220, 21.3580

# Square

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



216.1520, -74.5460, -25.6660



230.1590, -13.3890, 5.8670



223.2100, 26.1320, 10.9960



230.0090, 21.0030, -22.7170



# Rectangle

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



216.1520, -74.5460, -25.6660



218.6430, -56.5750, -15.4470



223.2100, 26.1320, 10.9960



226.5260, 36.0850, -9.6990

# Sweetspot

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



216.1520, -74.5460, -25.6660



243.0510, -22.3730, -7.5330



202.9620, -34.6500, -65.8980



120.5360, -13.4330, -4.3530



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.



216.1520, -74.5460, -25.6660



208.9760, -88.8500, -30.7540



180.3450, -57.7710, 6.2370



123.5260, -7.4730, -2.2330



132.1300, -113.0110, -38.9230



44.2770, -37.8690, -13.0450



# Inverse Universe

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



180.8100, 35.2920, 65.2760



166.7220, 41.8920, 77.8280



203.6550, 57.7710, -6.2370



120.2550, 3.8960, 6.4880



78.5410, 53.4880, 98.9600

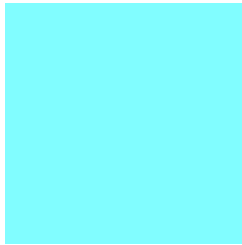


26.3180, 17.9210, 33.1610



# Previews

## White Background



This preview shows how the YIQ color 216.1520, -74.5460, -25.6660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

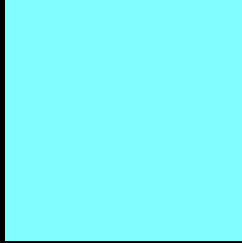
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 216.1520, -74.5460, -25.6660 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 216.1520, -74.5460, -25.6660 Background



This preview shows how black text looks on a background with the YIQ color 216.1520, -74.5460, -25.6660.



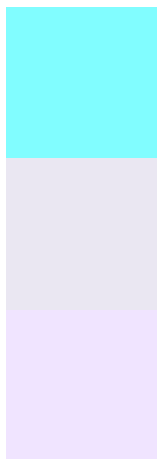
This preview shows how white text looks on a background with the YIQ color 216.1520, -74.5460, -25.6660.

-25.6660.

# 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

216.1520, -74.5460, -25.6660

### Protanopia

233.1510, -1.7430, 4.0570

### Deuteranopia

234.6660, -1.5150, 10.9410



## Tritanopia

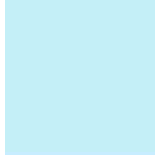
227.0260, -38.4200, -8.5640

# Trichromacy



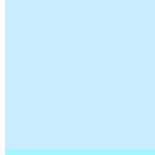
## Original Color

216.1520, -74.5460, -25.6660



## Protanomaly

227.0550, -28.1960, -6.6280



## Deuteranomaly

227.9890, -27.8300, -2.2460



## Tritanomaly

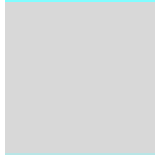
223.3940, -51.4400, -14.8960

# Monochromacy



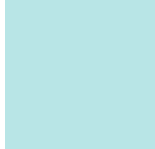
## Original Color

216.1520, -74.5460, -25.6660



## Achromatopsia

216.0000, -0.0000, 0.0000



## Achromatomaly

215.6590, -27.1410, -9.2290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 216.1520, -74.5460, -25.6660 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(129, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 253, 255)  
}
```

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(129, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 253, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 216.1520, -74.5460, -25.6660 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(129, 253, 255) }
```



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

```
.border{ border-color:rgb(129, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 216.1520, -74.5460, -25.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 253, 255) }
```

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

```
.background{ background-color: rgb(129,  
253, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor