

# Converting Colors

YIQ(177.9990, -114.0200,  
-37.1560)

Have a look what the booklet for  
YIQ(177.9990, -114.0200, -37.1560)  
contains.

<b>YIQ(177.9990, -114.0200, -37.1560)</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(177.9990, -114.0200,  
-37.1560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EE9F1
RGB	46, 233, 241
RGB Percent	18%, 91%, 95%
CMY	0.8200, 0.0860, 0.0554
CMYK	0.81, 0.03, 0.00, 0.06
HSL	182°, 87%, 56%
HSV	182°, 81%, 94%
XYZ	46.1426, 65.2445, 93.2890
YIQ	177.9990, -114.0200, -37.1560

# Conversions

## Conversions Part 2

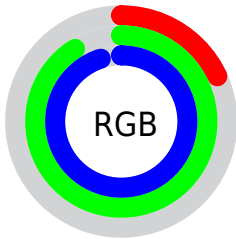
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 141, 241
Decimal	3074545
CIELab	84.61, -40.69, -16.49
CIELCh	85, 43.908, 202.061
Yxy	65.2445, 0.2254, 0.3188
Android (android.graphics.Color)	4281264625 (0xFF2EE9F1)
YUV	177.9990, 31.0595, -115.7631
Hunter-Lab	80.7741, -39.3856, -11.9344

# Details

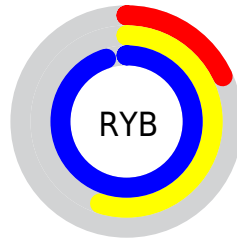
The YIQ color **177.9990, -114.0200, -37.1560** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **109.0010, 114.0200, 37.1560**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.0270, -75.6920, -26.9240**, and **124.9890, -108.0600, -35.0360** is the 20% darker color. If you saturate the color by 10%, you get **170.2360, -128.0490, -41.7210**, and if you desaturate by 10%, it is **185.7620, -99.9910, -32.5910**.

# Distribution



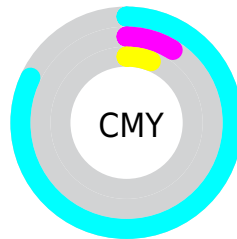
- Red (18%)
- Green (91%)
- Blue (95%)



- Red (18%)
- Yellow (55%)
- Blue (95%)



- Cyan (81%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (82%)
- Magenta (9%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.9990, -114.0200, -37.1560 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 177.9990, -114.0200, -37.1560 by changing the saturation by 10% instead.



177.9990,  
-114.0200, -37.1560

177.9990,  
-114.0200, -37.1560

255.0000, -0.0000,  
-0.0000

144.6170,  
-124.7480, -40.9720

217.0270,  
-75.6920, -26.9240

124.9890,  
-108.0600, -35.0360

226.8940,  
-56.0240, -19.9280

106.0620,  
-91.9680, -29.3120

236.7610,  
-36.3560, -12.9320

87.2490, -76.1970,  
-23.2770

246.3290,  
-17.2840, -6.1480

69.7240, -61.2970,  
-17.9770

52.1990, -46.3970,  
-12.6770

35.4890, -32.4140,

-7.2780

■ 19.5940, -19.3480,  
-1.7800

■ 2.4110, -5.4110,  
4.4530

■ 177.9990,  
-114.0200, -37.1560

■ 177.9990,  
-114.0200, -37.1560

■ 170.2360,  
-128.0490, -41.7210

■ 185.7620,  
-99.9910, -32.5910

■ 163.0710,  
-140.8860, -45.8620

■ 193.5250,  
-85.9620, -28.0260

■ 201.2880,  
-71.9330, -23.4610

■ 209.0510,  
-57.9040, -18.8960

■ 216.8140,  
-43.8750, -14.3310

■ 224.5770,  
-29.8460, -9.7660

■ 232.6390,  
-15.2210, -4.9890

■ 240.4020, -1.1920,  
-0.4240

■ 245.7730, 8.0690,  
2.4450

# Harmonies

## Analogous

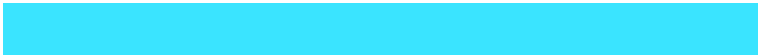
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



190.7380, -65.0530, -38.0210



177.9990, -114.0200, -37.1560



180.2480, -109.9870, -27.6430

# Triad

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



177.9990, -114.0200, -37.1560



216.2470, 16.6830, 33.5710



209.4920, 50.6200, -14.3080

# Complementary

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



177.9990, -114.0200, -37.1560



109.0010, 114.0200, 37.1560

# 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.



205.1200, 52.2680, -0.1160



177.9990, -114.0200, -37.1560



207.4410, 30.5760, 29.5840

# Square

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



177.9990, -114.0200, -37.1560



209.2050, -19.0300, 14.4900



203.2400, 43.7830, 15.9990



205.0210, 20.7290, -28.7670



# Rectangle

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



177.9990, -114.0200, -37.1560



191.3770, -79.1330, -14.1170



203.2400, 43.7830, 15.9990



208.8070, 54.2870, -9.1770

# Sweetspot

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



177.9990, -114.0200, -37.1560



235.5870, -35.8060, -11.8860



161.1490, -55.5510, -100.1190



115.7630, -21.5020, -6.7980



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.



177.9990, -114.0200, -37.1560



175.2770, -144.4620, -47.1340



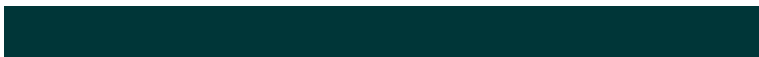
121.6470, -87.6200, 13.0520



115.8250, -6.8770, -2.0210



124.2880, -107.4640, -34.8240



38.0820, -32.8260, -10.8260



# Inverse Universe

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



125.6230, 56.1930, 99.4970



108.8710, 71.1350, 126.0710



165.3530, 87.6200, -13.0520



112.8420, 3.6210, 5.9650



75.0800, 53.1680, 93.7440

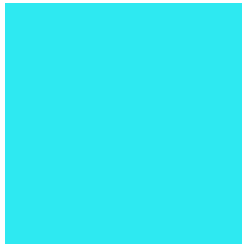


22.9000, 16.0420, 28.6660



# Previews

## White Background



This preview shows how the YIQ color 177.9990, -114.0200, -37.1560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

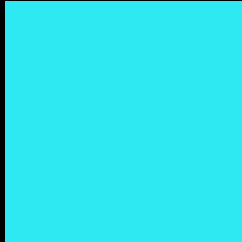
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 177.9990, -114.0200, -37.1560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

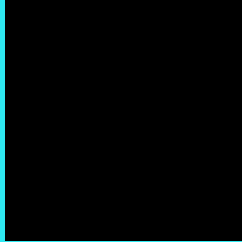
Any Text WCAG AA ✓ Pass

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 177.9990, -114.0200, -37.1560 Background



This preview shows how black text looks on a background with the YIQ color 177.9990, -114.0200, -37.1560.



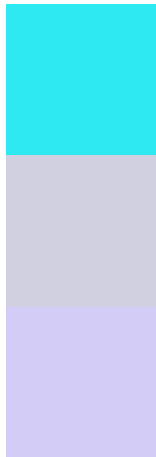
This preview shows how white text looks on a background with the YIQ color 177.9990, -114.0200, -37.1560.

-37.1560.

# 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

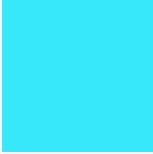
177.9990, -114.0200, -37.1560

### Protanopia

209.9380, -5.4570, 5.2870

### Deuteranopia

210.9950, -9.6310, 14.8570



## **Tritanopia**

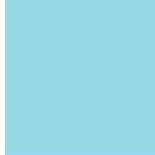
181.1290, -111.2700, -31.9260

# Trichromacy



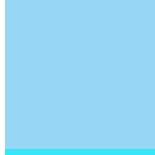
## Original Color

177.9990, -114.0200, -37.1560



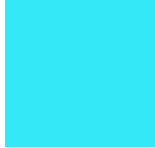
## Protanomaly

198.2640, -45.0220, -10.0620



## Deuteranomaly

199.2840, -47.7740, -4.2380



## Tritanomaly

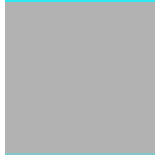
179.8900, -112.0950, -33.4950

# Monochromacy



## Original Color

177.9990, -114.0200, -37.1560



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

178.0100, -41.4910, -13.4830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.9990, -114.0200, -37.1560 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(46, 233, 241)` looks like.

```
.text, #text, p{  
    color:rgb(46, 233, 241)  
}
```

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(46, 233, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 233, 241) }
```

## Border

The CSS property to change the border of an element to YIQ 177.9990, -114.0200, -37.1560 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(46, 233, 241) }
```



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

```
.border{ border-color:rgb(46, 233, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 233, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 233, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 233, 241);  
box-shadow:4px 4px 4px 4px rgb(46, 233,  
241) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.9990, -114.0200, -37.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 233, 241) }
```

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

```
.background{ background-color: rgb(46, 233,  
241) }
```

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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