

Converting Colors

YIQ(212.7550, -80.9180,
-31.3340)

Have a look what the booklet for
YIQ(212.7550, -80.9180, -31.3340)
contains.

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Color

**YIQ(212.7550, -80.9180,
-31.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	74FFF9
RGB	116, 255, 249
RGB Percent	45%, 100%, 98%
CMY	0.5454, 0.0000, 0.0238
CMYK	0.55, 0.00, 0.02, 0.00
HSL	177°, 100%, 73%
HSV	177°, 55%, 100%
XYZ	60.0374, 82.0617, 102.2317
YIQ	212.7550, -80.9180, -31.3340

Conversions

Conversions Part 2

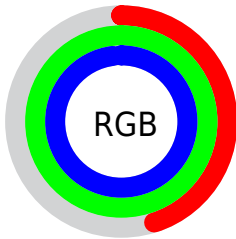
Format	Color
R_{YB}	116, 187, 255
Decimal	7667705
CIE _{Lab}	92.60, -39.11, -8.60
CIE _{LCh}	93, 40.039, 192.398
Yxy	82.0617, 0.2457, 0.3359
Android (android.graphics.Color)	4285857785 (0xFF74FFF9)
YUV	212.7550, 17.8688, -84.8541
Hunter-Lab	90.5879, -40.2274, -3.4994

Details

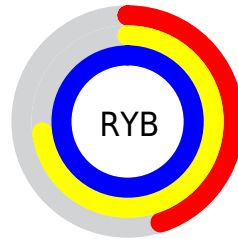
The YIQ color **212.7550, -80.9180, -31.3340** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **158.2450, 80.9180, 31.3340**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **231.9770, -45.8920, -16.3240**, and **150.7860, -91.3710, -34.6270** is the 20% darker color. If you saturate the color by 10%, you get **204.8670, -96.0930, -37.1570**, and if you desaturate by 10%, it is **220.3440, -66.3390, -25.7230**.

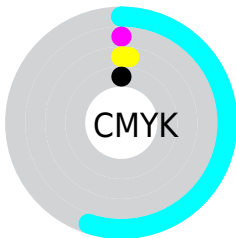
Distribution



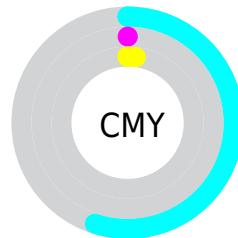
- Red (45%)
- Green (100%)
- Blue (98%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.7550, -80.9180, -31.3340 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 212.7550, -80.9180, -31.3340 by changing the saturation by 10% instead.

212.7550,
-80.9180, -31.3340

212.7550,
-80.9180, -31.3340

255.0000, -0.0000,
-0.0000

182.2600,
-83.8980, -32.3940

231.9770,
-45.8920, -16.3240

150.4870,
-91.9670, -34.8390

241.2460,
-27.4160, -9.7520

118.6000,
-99.7150, -37.5950

250.5150, -8.9400,
-3.1800

99.7870, -83.9440,
-31.5600

81.6750, -68.7690,
-25.7370

64.1500, -53.8690,
-20.4370

46.8530, -39.6110,

-14.5150

■ 30.8440, -26.2240,
-9.3280

■ 12.7150, -12.3790,
-1.4270

■ 212.7550,
-80.9180, -31.3340

■ 212.7550,
-80.9180, -31.3340

■ 204.8670,
-96.0930, -37.1570

■ 220.3440,
-66.3390, -25.7230

■ 197.2780,
-110.6720, -42.7680

■ 228.2320,
-51.1640, -19.9000

■ 189.3900,
-125.8470, -48.5910

■ 235.8210,
-36.5850, -14.2890

■ 181.6870,
-140.1050, -54.5130

■ 243.7090,
-21.4100, -8.4660

■ 177.5010,
-148.4490, -57.4810

■ 251.2980, -6.8310,
-2.8550

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



218.9810, -43.6880, -34.2480



212.7550, -80.9180, -31.3340



209.2860, -86.7870, -29.5950

Triad

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



212.7550, -80.9180, -31.3340



233.2810, 10.1750, 19.3510



226.0870, 38.6990, -13.0210

Complementary

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



212.7550, -80.9180, -31.3340



158.2450, 80.9180, 31.3340

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.



221.0780, 34.8910, 0.9310



212.7550, -80.9180, -31.3340



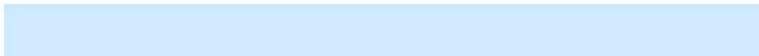
227.4110, 12.9250, 24.5810

Square

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



212.7550, -80.9180, -31.3340



227.1470, -22.2830, 1.8530



221.5460, 25.3060, 14.9540



230.0870, 29.5310, -23.0850

Rectangle

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



212.7550, -80.9180, -31.3340



213.2280, -71.7040, -22.1040



221.5460, 25.3060, 14.9540



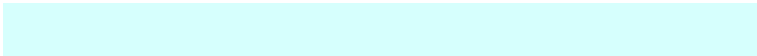
223.8360, 38.1480, -8.5400

Sweetspot

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



212.7550, -80.9180, -31.3340



242.5130, -23.7940, -9.3140



199.6860, -34.0530, -71.2130



120.2970, -14.2580, -5.9220



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.



212.7550, -80.9180, -31.3340



204.5680, -96.6890, -37.3690



176.4580, -65.5190, 3.4810



123.9990, -7.4270, -3.0670



132.9790, -111.2680, -42.9800



44.5220, -37.1810, -14.5010

Inverse Universe

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



158.2450, 80.9180, 31.3340



139.4320, 96.6890, 37.3690



194.5420, 65.5190, -3.4810



118.8870, 7.7480, 2.7560



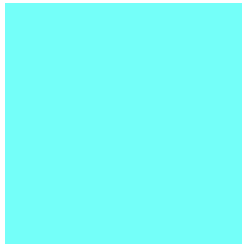
58.0210, 111.2680, 42.9800



19.4780, 37.1810, 14.5010

Previews

White Background



This preview shows how the YIQ color 212.7550, -80.9180, -31.3340 looks on a white background.

Color Contrast Check

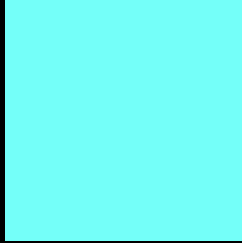
Large Text (above 18pt) WCAG AA × Fail

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 212.7550, -80.9180, -31.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

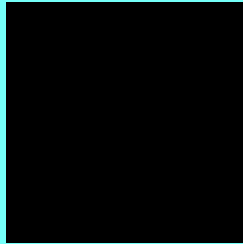
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

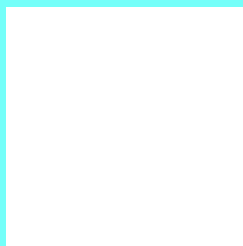
Any Text WCAG AAA ✓ Pass

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

YIQ 212.7550, -80.9180, -31.3340 Background



This preview shows how black text looks on a background with the YIQ color 212.7550, -80.9180, -31.3340.



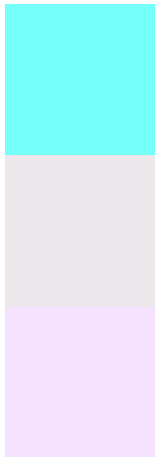
This preview shows how white text looks on a background with the YIQ color 212.7550, -80.9180, -31.3340.

-31.3340.

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

212.7550, -80.9180, -31.3340

Protanopia

232.6520, 1.1000, 2.0920

Deuteranopia

234.6880, 1.4190, 12.8350



Tritanopia

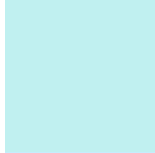
226.1290, -40.2080, -9.2000

Trichromacy



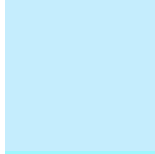
Original Color

212.7550, -80.9180, -31.3340



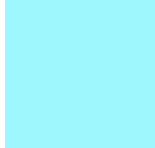
Protanomaly

225.6480, -28.6080, -10.1760



Deuteranomaly

226.8640, -28.9760, -3.5040



Tritanomaly

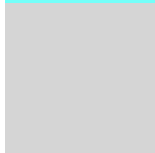
221.0730, -54.9700, -17.0020

Monochromacy



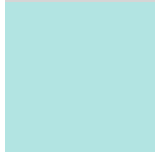
Original Color

212.7550, -80.9180, -31.3340



Achromatopsia

213.0000, -0.0000, 0.0000



Achromatomaly

212.8220, -29.1580, -11.2220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.7550, -80.9180, -31.3340 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(116, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 249)  
}
```

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(116, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 249) }
```

Border

The CSS property to change the border of an element to YIQ 212.7550, -80.9180, -31.3340 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

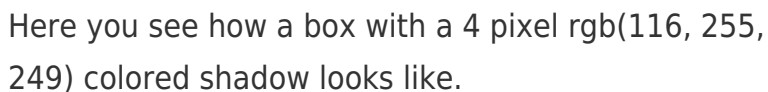
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 255, 249) }
```


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

```
.border{ border-color:rgb(116, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
249) }
```

Background

The CSS property to change the background color of an element to YIQ 212.7550, -80.9180, -31.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 249) }
```

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

```
.background{ background-color: rgb(116,  
255, 249) }
```

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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