

Converting Colors

YIQ(188.7190, -80.0960,
-13.1840)

Have a look what the booklet for
YIQ(188.7190, -80.0960, -13.1840)
contains.

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Color

**YIQ(188.7190, -80.0960,
-13.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	68DBFF
RGB	104, 219, 255
RGB Percent	41%, 86%, 100%
CMY	0.5924, 0.1410, 0.0003
CMYK	0.59, 0.14, 0.00, 0.00
HSL	194°, 100%, 70%
HSV	194°, 59%, 100%
XYZ	49.0814, 60.8419, 103.6901
YIQ	188.7190, -80.0960, -13.1840

Conversions

Conversions Part 2

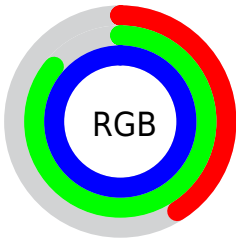
Format	Color
RYB	104, 169, 255
Decimal	6872063
CIELab	82.29, -22.54, -27.30
CIELCh	82, 35.400, 230.453
Yxy	60.8419, 0.2298, 0.2848
Android (android.graphics.Color)	4285062143 (0xFF68DBFF)
YUV	188.7190, 32.6765, -74.2986
Hunter-Lab	78.0012, -24.1828, -24.2157

Details

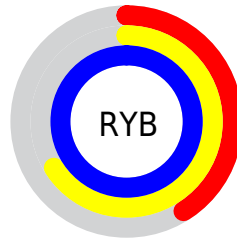
The YIQ color **188.7190, -80.0960, -13.1840** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **170.2810, 80.0960, 13.1840**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **228.3890, -53.0440, -18.8680**, and **124.8200, -96.7380, -19.9540** is the 20% darker color. If you saturate the color by 10%, you get **177.4230, -93.9420, -15.5580**, and if you desaturate by 10%, it is **199.7160, -66.8460, -11.0220**.

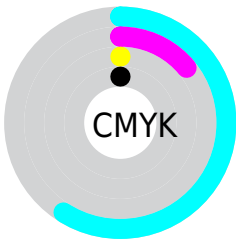
Distribution



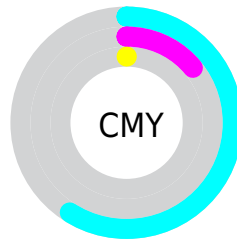
- Red (41%)
- Green (86%)
- Blue (100%)



- Red (41%)
- Yellow (66%)
- Blue (100%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 188.7190, -80.0960, -13.1840 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 188.7190, -80.0960, -13.1840 by changing the saturation by 10% instead.

188.7190,
-80.0960, -13.1840

188.7190,
-80.0960, -13.1840

255.0000, -0.0000,
-0.0000

158.8110,
-83.3510, -14.7670

228.3890,
-53.0440, -18.8680

124.8200,
-96.7380, -19.9540

237.6580,
-34.5680, -12.2960

99.9130, -92.5660,
-18.4700

246.6280,
-16.6880, -5.9360

82.1600, -77.0240,
-13.7920

64.5210, -61.8030,
-8.8030

48.2840, -47.7740,
-4.2380

32.0470, -33.7450,

0.3270

■ 15.9240, -20.0370,
5.2030

■ 3.5510, -8.6210,
7.5630

■ 188.7190,
-80.0960, -13.1840

■ 188.7190,
-80.0960, -13.1840

■ 177.4230,
-93.9420, -15.5580

■ 199.7160,
-66.8460, -11.0220

■ 166.4260,
-107.1920, -17.7200

■ 211.0120,
-53.0000, -8.6480

■ 155.1300,
-121.0380, -20.0940

■ 222.0090,
-39.7500, -6.4860

■ 144.1330,
-134.2880, -22.2560

■ 233.3050,
-25.9040, -4.1120

■ 142.9480,
-135.2050, -22.1570

■ 244.3020,
-12.6540, -1.9500

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.



186.3800, -75.1880, -25.0440



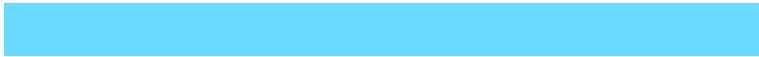
188.7190, -80.0960, -13.1840



196.2820, -53.4600, -0.3080

Triad

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



188.7190, -80.0960, -13.1840



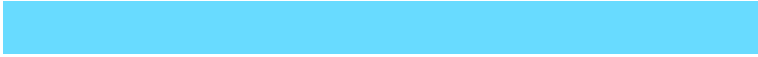
207.2300, 32.5480, 26.8840



200.7530, 18.8480, -22.2080

Complementary

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



188.7190, -80.0960, -13.1840



170.2810, 80.0960, 13.1840

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.



203.8210, 42.5040, -10.3920



188.7190, -80.0960, -13.1840



203.3540, 43.4620, 16.3100

Square

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



188.7190, -80.0960, -13.1840



209.3770, 10.2650, 28.7370



204.2710, 50.5250, 3.9410



196.2530, -12.0990, -28.5390

Rectangle

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



188.7190, -80.0960, -13.1840



202.0400, -31.8670, 10.3490



204.2710, 50.5250, 3.9410



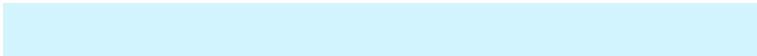
201.3520, 27.4670, -18.7170

Sweetspot

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



188.7190, -80.0960, -13.1840



234.7890, -24.3910, -3.9990



196.6270, -52.7600, -68.0880



115.2200, -15.3590, -2.4870



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.



188.7190, -80.0960, -13.1840



175.6400, -96.0510, -15.8830



144.6940, -59.4710, 26.0410



121.7650, -6.6480, -0.6640



107.4760, -101.4610, -16.9570



36.0590, -34.0190, -5.7230

Inverse Universe

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



162.2590, 53.0810, 67.7770



143.8510, 63.5780, 81.2900



214.3060, 59.4710, -26.0410



119.9130, 4.8590, 5.5550



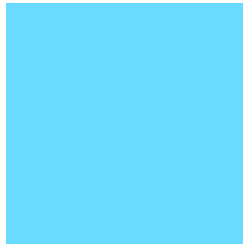
73.7530, 66.9700, 85.8980



24.7220, 22.4150, 28.8070

Previews

White Background



This preview shows how the YIQ color 188.7190, -80.0960, -13.1840 looks on a white background.

Color Contrast Check

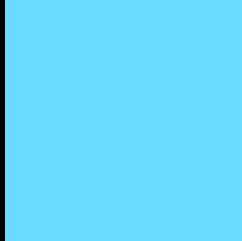
Large Text (above 18pt) WCAG AA × Fail

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 188.7190, -80.0960, -13.1840 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 188.7190, -80.0960, -13.1840 Background



This preview shows how black text looks on a background with the YIQ color 188.7190, -80.0960, -13.1840.



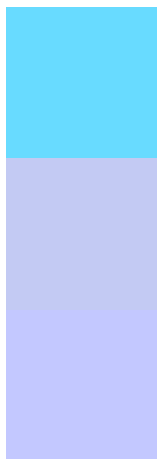
This preview shows how white text looks on a background with the YIQ color 188.7190, -80.0960, -13.1840.

-13.1840.

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

188.7190, -80.0960, -13.1840

Protanopia

204.5810, -17.3330, 11.2670

Deuteranopia

204.7750, -20.6350, 16.0450



Tritanopia

186.6770, -80.2780, -20.9020

Trichromacy



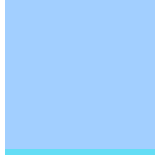
Original Color

188.7190, -80.0960, -13.1840



Protanomaly

198.6920, -39.9350, 2.3770



Deuteranomaly

199.0170, -42.2280, 5.3880



Tritanomaly

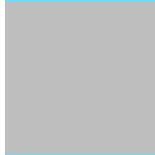
187.5570, -79.8200, -18.1880

Monochromacy



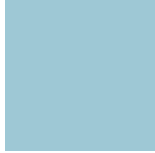
Original Color

188.7190, -80.0960, -13.1840



Achromatopsia

189.0000, -0.0000, -0.0000



Achromatomaly

188.9240, -29.2050, -4.8610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 188.7190, -80.0960, -13.1840 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(104, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 219, 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(104, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 219, 255) }
```

Border

The CSS property to change the border of an element to YIQ 188.7190, -80.0960, -13.1840 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(104, 219, 255) }
```


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

```
.border{ border-color:rgb(104, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 219,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 188.7190, -80.0960, -13.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 219, 255) }
```

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

```
.background{ background-color: rgb(104,  
219, 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](#).

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