

Converting Colors

YIQ(163.8820, -82.1130,
-15.1770)

Have a look what the booklet for
YIQ(163.8820, -82.1130, -15.1770)
contains.

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Color

**YIQ(163.8820, -82.1130,
-15.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC4E5
RGB	76, 196, 229
RGB Percent	30%, 77%, 90%
CMY	0.7022, 0.2312, 0.1023
CMYK	0.67, 0.14, 0.00, 0.10
HSL	193°, 75%, 60%
HSV	193°, 67%, 90%
XYZ	36.8568, 46.6885, 81.1324
YIQ	163.8820, -82.1130, -15.1770

Conversions

Conversions Part 2

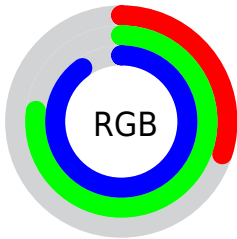
Format	Color
RYB	76, 143, 229
Decimal	5031141
CIELab	73.99, -23.28, -26.16
CIELCh	74, 35.019, 228.340
Yxy	46.6885, 0.2238, 0.2835
Android (android.graphics.Color)	4283221221 (0xFF4CC4E5)
YUV	163.8820, 32.1032, -77.0725
Hunter-Lab	68.3290, -23.2925, -22.5694

Details

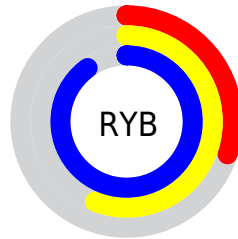
The YIQ color **163.8820, -82.1130, -15.1770** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **141.1180, 82.1130, 15.1770**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **219.7400, -67.3940, -23.1220**, and **103.0760, -94.5830, -20.4630** is the 20% darker color. If you saturate the color by 10%, you get **154.0700, -94.4460, -17.4380**, and if you desaturate by 10%, it is **173.6940, -69.7800, -12.9160**.

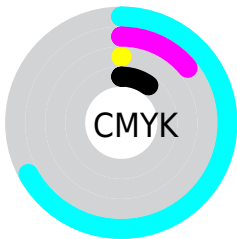
Distribution



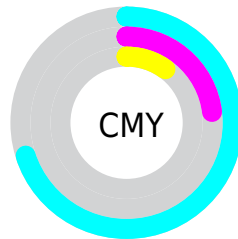
- Red (30%)
- Green (77%)
- Blue (90%)



- Red (30%)
- Yellow (56%)
- Blue (90%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.8820, -82.1130, -15.1770 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 163.8820, -82.1130, -15.1770 by changing the saturation by 10% instead.

■ 163.8820,
-82.1130, -15.1770

■ 163.8820,
-82.1130, -15.1770

■ 255.0000, -0.0000,
-0.0000

■ 131.9840,
-91.3280, -18.8800

■ 219.7400,
-67.3940, -23.1220

■ 103.0760,
-94.5830, -20.4630

■ 229.8840,
-50.0640, -17.8080

■ 84.8500, -79.0870,
-14.9510

■ 239.1530,
-31.5880, -11.2360

■ 67.7980, -64.1410,
-10.4850

■ 248.1230,
-13.7080, -4.8760

■ 50.8600, -49.5160,
-5.7080

■ 34.6230, -35.4870,
-1.1430

■ 20.2610, -22.6040,

2.1640

■ 4.3660, -9.5380,
7.6620

■ 0.0000, 0.0000,
0.0000

■ 163.8820,
-82.1130, -15.1770

■ 163.8820,
-82.1130, -15.1770

■ 154.0700,
-94.4460, -17.4380

■ 173.6940,
-69.7800, -12.9160

■ 144.2580,
-106.7790, -19.6990

■ 183.5060,
-57.4470, -10.6550

■ 134.4460,
-119.1120, -21.9600

■ 193.3180,
-45.1140, -8.3940

■ 131.7660,
-123.0090, -22.9210

■ 203.1300,
-32.7810, -6.1330

■ 212.6430,
-21.0440, -4.0840

■ 222.4550, -8.7110,
-1.8230

■ 231.6800, 3.8970,
0.9610

■ 240.2960, 13.8460,
2.3740

■ 243.2310, 12.4710,
-0.2410

Harmonies

Analogous

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



162.1520, -74.5460, -25.6660



163.8820, -82.1130, -15.1770



174.0410, -59.9710, 2.0530

Triad

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



163.8820, -82.1130, -15.1770



186.5400, 34.6110, 28.0430



177.8780, 19.9940, -20.9500

Complementary

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



163.8820, -82.1130, -15.1770



141.1180, 82.1130, 15.1770

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.



181.1630, 41.5410, -9.4590



163.8820, -82.1130, -15.1770



184.8820, 50.8430, 20.2110

Square

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



163.8820, -82.1130, -15.1770



186.4690, 7.0100, 27.1540



183.1080, 52.5420, 5.9340



173.5630, -10.0360, -27.3800

Rectangle

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



163.8820, -82.1130, -15.1770



180.2120, -38.1030, 13.2330



183.1080, 52.5420, 5.9340



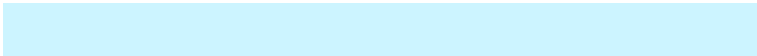
179.1780, 28.0170, -17.6710

Sweetspot

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



163.8820, -82.1130, -15.1770



233.2940, -27.3710, -5.0590



169.3450, -52.0260, -70.3780



114.6220, -16.5510, -2.9110



0.0000, 0.0000, 0.0000



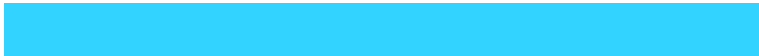
128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



163.8820, -82.1130, -15.1770



168.1760, -109.4840, -20.2360



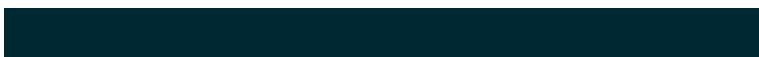
120.4440, -61.7630, 23.5250



109.6510, -6.3270, -0.9750



102.5860, -95.9590, -17.5510



29.2940, -27.3710, -5.0590

Inverse Universe

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



135.4270, 52.6680, 69.7560



130.2360, 70.2240, 93.0080



184.5560, 61.7630, -23.5250



107.6140, 4.2630, 5.3430



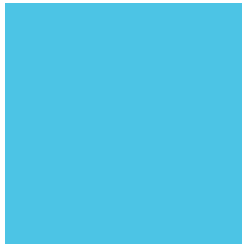
69.4810, 61.7440, 81.4880



19.8090, 17.5560, 23.2520

Previews

White Background



This preview shows how the YIQ color 163.8820, -82.1130, -15.1770 looks on a white background.

Color Contrast Check

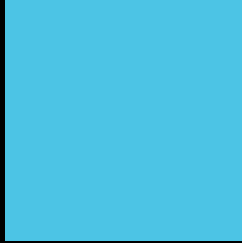
Large Text (above 18pt) WCAG AA × Fail

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 163.8820, -82.1130, -15.1770 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 163.8820, -82.1130, -15.1770 Background



This preview shows how black text looks on a background with the YIQ color 163.8820, -82.1130, -15.1770.



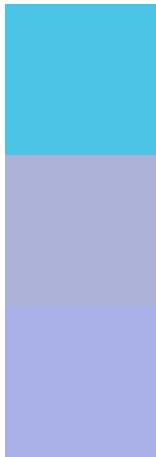
This preview shows how white text looks on a background with the YIQ color 163.8820, -82.1130, -15.1770.

-15.1770.

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

163.8820, -82.1130, -15.1770

Protanopia

181.2390, -16.3700, 10.3340

Deuteranopia

181.2910, -22.1480, 15.9320



Tritanopia

161.0680, -82.9370, -22.2730

Trichromacy



Original Color

163.8820, -82.1130, -15.1770

Protanomaly

174.7520, -40.1640, 1.0200

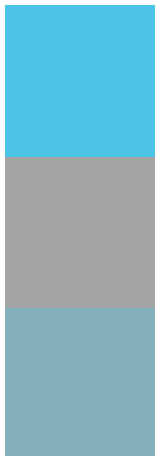
Deuteranomaly

175.1200, -44.0160, 4.7520

Tritanomaly

161.9480, -82.4790, -19.5590

Monochromacy



Original Color

163.8820, -82.1130, -15.1770

Achromatopsia

164.0000, 0.0000, -0.0000

Achromatomaly

164.2120, -30.0760, -5.5960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.8820, -82.1130, -15.1770 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(76, 196, 229)` looks like.

```
.text, #text, p{  
    color:rgb(76, 196, 229)  
}
```

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(76, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 196, 229) }
```

Border

The CSS property to change the border of an element to YIQ 163.8820, -82.1130, -15.1770 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(76, 196, 229) }
```


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

```
.border{ border-color:rgb(76, 196, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 196, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 196, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 196, 229);  
box-shadow:4px 4px 4px 4px rgb(76, 196,  
229) }
```

Background

The CSS property to change the background color of an element to YIQ 163.8820, -82.1130, -15.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 196, 229) }
```

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

```
.background{ background-color: rgb(76, 196,  
229) }
```

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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