

Converting Colors

YIQ(163.6970, -83.0300,
-15.0780)

Have a look what the booklet for
YIQ(163.6970, -83.0300, -15.0780)
contains.

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Color

**YIQ(163.6970, -83.0300,
-15.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC4E6
RGB	75, 196, 230
RGB Percent	29%, 77%, 90%
CMY	0.7061, 0.2312, 0.0984
CMYK	0.67, 0.15, 0.00, 0.10
HSL	193°, 76%, 60%
HSV	193°, 67%, 90%
XYZ	36.9179, 46.7040, 81.8651
YIQ	163.6970, -83.0300, -15.0780

Conversions

Conversions Part 2

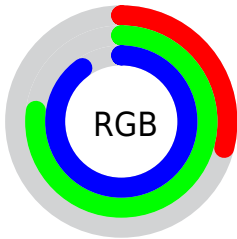
Format	Color
RYB	75, 143, 230
Decimal	4965606
CIELab	74.00, -23.12, -26.69
CIElCh	74, 35.310, 229.101
Yxy	46.7040, 0.2231, 0.2822
Android (android.graphics.Color)	4283155686 (0xFF4BC4E6)
YUV	163.6970, 32.6874, -77.7873
Hunter-Lab	68.3404, -23.1687, -23.1854

Details

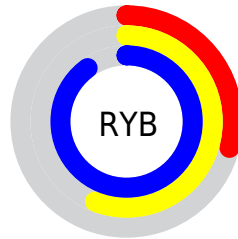
The YIQ color **163.6970, -83.0300, -15.0780** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **141.3030, 83.0300, 15.0780**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **219.4410, -67.9900, -23.3340**, and **103.1900, -94.9040, -20.1520** is the 20% darker color. If you saturate the color by 10%, you get **153.8850, -95.3630, -17.3390**, and if you desaturate by 10%, it is **173.5090, -70.6970, -12.8170**.

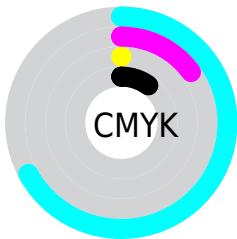
Distribution



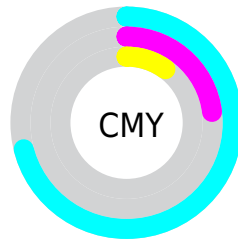
- Red (29%)
- Green (77%)
- Blue (90%)



- Red (29%)
- Yellow (56%)
- Blue (90%)



- Cyan (67%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (71%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.6970, -83.0300, -15.0780 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 163.6970, -83.0300, -15.0780 by changing the saturation by 10% instead.

■ 163.6970,
-83.0300, -15.0780

■ 163.6970,
-83.0300, -15.0780

■ 255.0000, -0.0000,
-0.0000

■ 131.5000,
-92.8410, -18.9930

■ 219.4410,
-67.9900, -23.3340

■ 103.1900,
-94.9040, -20.1520

■ 229.8840,
-50.0640, -17.8080

■ 84.9640, -79.4080,
-14.6400

■ 238.8540,
-32.1840, -11.4480

■ 67.9120, -64.4620,
-10.1740

■ 248.1230,
-13.7080, -4.8760

■ 50.9740, -49.8370,
-5.3970

■ 34.7370, -35.8080,
-0.8320

■ 20.3750, -22.9250,

2.4750

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 163.6970,
-83.0300, -15.0780

■ 163.6970,
-83.0300, -15.0780

■ 153.8850,
-95.3630, -17.3390

■ 173.5090,
-70.6970, -12.8170

■ 144.0730,
-107.6960, -19.6000

■ 183.3210,
-58.3640, -10.5560

■ 134.2610,
-120.0290, -21.8610

■ 193.1330,
-46.0310, -8.2950

■ 131.8800,
-123.3300, -22.6100

■ 202.9450,
-33.6980, -6.0340

■ 212.7570,
-21.3650, -3.7730

■ 222.5690, -9.0320,
-1.5120

■ 232.3810, 3.3010,
0.7490

■ 240.9970, 13.2500,
2.1620

■ 243.9320, 11.8750,
-0.4530

Harmonies

Analogous

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



161.6680, -76.0590, -25.7790



163.6970, -83.0300, -15.0780



174.4540, -59.6960, 2.5760

Triad

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



163.6970, -83.0300, -15.0780



186.1380, 35.8030, 28.4670



177.5790, 19.3980, -21.1620

Complementary

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



163.6970, -83.0300, -15.0780



141.3030, 83.0300, 15.0780

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.



181.0490, 41.8620, -9.7700



163.6970, -83.0300, -15.0780



184.7680, 51.1640, 19.9000

Square

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



163.6970, -83.0300, -15.0780



186.1810, 7.8810, 27.8890



182.9940, 52.8630, 5.6230



173.2640, -10.6320, -27.5920

Rectangle

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



163.6970, -83.0300, -15.0780



180.6250, -37.8280, 13.7560



182.9940, 52.8630, 5.6230



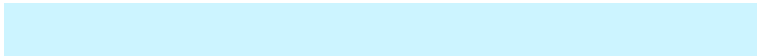
178.7650, 27.7420, -18.1940

Sweetspot

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



163.6970, -83.0300, -15.0780



233.2940, -27.3710, -5.0590



169.8610, -53.5390, -70.4910



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.



163.6970, -83.0300, -15.0780



166.6920, -110.9970, -20.3490



118.4980, -61.8550, 25.1930



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.



135.1390, 53.5390, 70.4910



128.3610, 71.3700, 94.2660



186.5020, 61.8550, -25.1930



107.6140, 4.2630, 5.3430



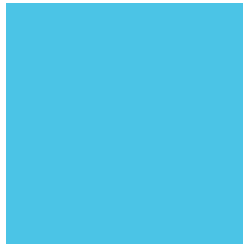
69.4810, 61.7440, 81.4880



19.8090, 17.5560, 23.2520

Previews

White Background



This preview shows how the YIQ color 163.6970, -83.0300, -15.0780 looks on a white background.

Color Contrast Check

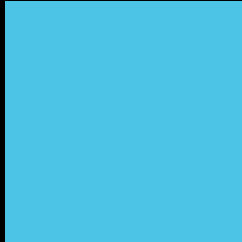
Large Text (above 18pt) WCAG AA × Fail

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 163.6970, -83.0300, -15.0780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

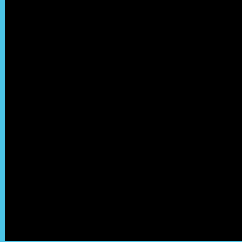
Any Text WCAG AA ✓ Pass

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 163.6970, -83.0300, -15.0780 Background



This preview shows how black text looks on a background with the YIQ color 163.6970, -83.0300, -15.0780.



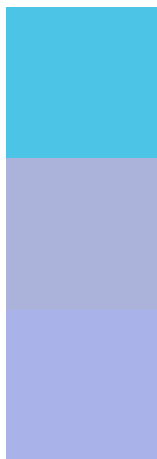
This preview shows how white text looks on a background with the YIQ color 163.6970, -83.0300, -15.0780.

-15.0780.

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

163.6970, -83.0300, -15.0780

Protanopia

181.3530, -16.6910, 10.6450

Deuteranopia

181.9920, -22.7440, 15.7200



Tritanopia

161.0570, -84.4040, -23.2200

Trichromacy



Original Color

163.6970, -83.0300, -15.0780

Protanomaly

174.8660, -40.4850, 1.3310

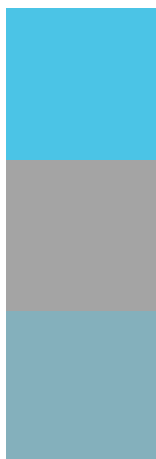
Deuteranomaly

175.5220, -45.2080, 4.3280

Tritanomaly

161.9370, -83.9460, -20.5060

Monochromacy



Original Color

163.6970, -83.0300, -15.0780

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 163.6970, -83.0300, -15.0780 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(75, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(75, 196, 230)  
}
```

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(75, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 196, 230) }
```

Border

The CSS property to change the border of an element to YIQ 163.6970, -83.0300, -15.0780 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(75, 196, 230) }
```


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

```
.border{ border-color:rgb(75, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(75, 196,  
230) }
```

Background

The CSS property to change the background color of an element to YIQ 163.6970, -83.0300, -15.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 196, 230) }
```

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

```
.background{ background-color: rgb(75, 196,  
230) }
```

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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