

# Converting Colors

YIQ(163.4240, -95.6830,  
-22.5550)

Have a look what the booklet for  
YIQ(163.4240, -95.6830, -22.5550)  
contains.

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# Color

**YIQ(163.4240, -95.6830,  
-22.5550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3ACCE7
RGB	58, 204, 231
RGB Percent	23%, 80%, 91%
CMY	0.7728, 0.1997, 0.0945
CMYK	0.75, 0.12, 0.00, 0.09
HSL	189°, 78%, 57%
HSV	189°, 75%, 91%
XYZ	37.7569, 49.8757, 83.1626
YIQ	163.4240, -95.6830, -22.5550

# Conversions

## Conversions Part 2

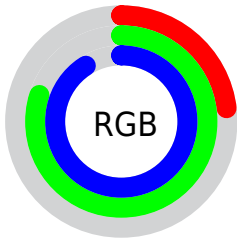
Format	Color
<a href="#">RYB</a>	58, 137, 231
Decimal	3853543
CIELab	75.99, -28.97, -24.21
CIELCh	76, 37.751, 219.889
Yxy	49.8757, 0.2211, 0.2920
Android (android.graphics.Color)	4282043623 (0xFF3ACCE7)
YUV	163.4240, 33.3150, -92.4568
Hunter-Lab	70.6227, -28.1588, -20.3817

# Details

The YIQ color **163.4240, -95.6830, -22.5550** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **125.5760, 95.6830, 22.5550**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.6250, -74.5000, -26.5000**, and **107.4130, -97.1500, -23.5020** is the 20% darker color. If you saturate the color by 10%, you get **154.1990, -108.2910, -25.3390**, and if you desaturate by 10%, it is **172.6490, -83.0750, -19.7710**.

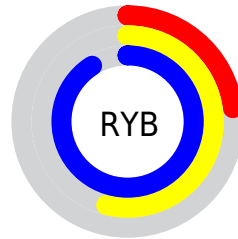
# Distribution



Red (23%)

Green (80%)

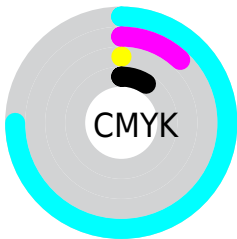
Blue (91%)



Red (23%)

Yellow (54%)

Blue (91%)

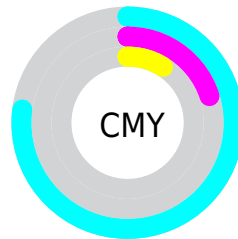


Cyan (75%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (77%)

Magenta (20%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 163.4240, -95.6830, -22.5550 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 163.4240, -95.6830, -22.5550 by changing the saturation by 10% instead.



163.4240,  
-95.6830, -22.5550

163.4240,  
-95.6830, -22.5550

255.0000, -0.0000,  
-0.0000

126.4540,  
-113.5630, -28.9150

217.6250,  
-74.5000, -26.5000

108.0000,  
-97.4250, -24.0250

227.1930,  
-55.4280, -19.7160

89.1870, -81.6540,  
-17.9900

236.4620,  
-36.9520, -13.1440

71.5480, -66.4330,  
-13.0010

245.7310,  
-18.4760, -6.5720

54.6100, -51.8080,  
-8.2240

38.3730, -37.7790,  
-3.6590

24.0110, -24.8960,

-0.3520

■ 4.5940, -10.1800,  
8.2840

■ 0.0000, 0.0000,  
0.0000

■ 163.4240,  
-95.6830, -22.5550

■ 163.4240,  
-95.6830, -22.5550

■ 154.1990,  
-108.2910, -25.3390

■ 172.6490,  
-83.0750, -19.7710

■ 145.5610,  
-121.1740, -28.6460

■ 181.2870,  
-70.1920, -16.4640

■ 140.7990,  
-127.7760, -30.1440

■ 190.5120,  
-57.5840, -13.6800

■ 199.1500,  
-44.7010, -10.3730

■ 208.3750,  
-32.0930, -7.5890

■ 217.6000,  
-19.4850, -4.8050

■ 226.5370, -6.0060,  
-1.2860

■ 235.7620, 6.6020,  
1.4980

■ 241.1110, 12.9290,  
2.4730

# Harmonies

## Analogous

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



165.9190, -75.5080, -30.2600



163.4240, -95.6830, -22.5550



174.2670, -75.4670, -3.4590

# Triad

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



163.4240, -95.6830, -22.5550



192.4950, 30.4840, 31.2520



183.8960, 28.7510, -19.9610

# Complementary

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



163.4240, -95.6830, -22.5550



125.5760, 95.6830, 22.5550

# 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.



186.8760, 49.8390, -5.6570



163.4240, -95.6830, -22.5550



190.9300, 50.8880, 24.9040

# Square

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



163.4240, -95.6830, -22.5550



191.5050, -1.8390, 27.8330



188.9070, 57.7220, 11.1780



179.5270, -1.1870, -28.0590

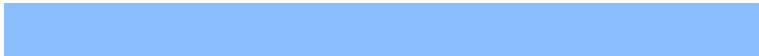


# Rectangle

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



163.4240, -95.6830, -22.5550



182.4490, -52.1320, 8.6680



188.9070, 57.7220, 11.1780



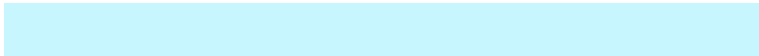
185.0220, 37.3240, -15.6360

# Sweetspot

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



163.4240, -95.6830, -22.5550



232.9730, -30.9010, -7.1650



162.5150, -55.9210, -82.3930



114.3120, -18.6140, -4.0700



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

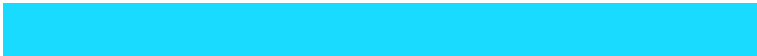


# Same Dimension

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



163.4240, -95.6830, -22.5550



165.0980, -127.1800, -29.9320



112.9420, -72.0330, 22.4230



110.2380, -6.6020, -1.4980



109.0430, -98.9840, -23.3040



31.0550, -28.1960, -6.6280



# Inverse Universe

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



126.3710, 56.2420, 82.0820



115.8860, 74.8060, 109.0940



175.4710, 72.3080, -21.9000



107.7280, 3.9420, 5.6540



70.7350, 58.2130, 84.9090

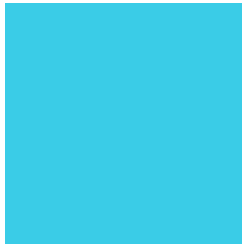


20.1510, 16.5930, 24.1850



# Previews

## White Background



This preview shows how the YIQ color 163.4240, -95.6830, -22.5550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

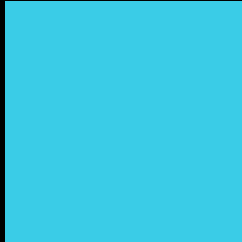
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 163.4240, -95.6830, -22.5550 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 163.4240, -95.6830, -22.5550 Background



This preview shows how black text looks on a background with the YIQ color 163.4240, -95.6830, -22.5550.



This preview shows how white text looks on a background with the YIQ color 163.4240, -95.6830, -22.5550.

-22.5550.

# 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

163.4240, -95.6830, -22.5550

### Protanopia

186.5660, -12.9770, 9.4150

### Deuteranopia

186.9600, -19.7180, 15.9460



## Tritanopia

161.4790, -97.5160, -27.8840

# Trichromacy



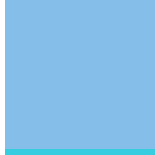
## Original Color

163.4240, -95.6830, -22.5550



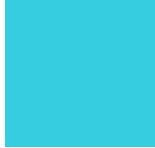
## Protanomaly

178.0890, -42.7310, -2.0190



## Deuteranomaly

178.2720, -47.5000, 1.8120



## Tritanomaly

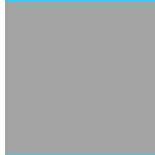
162.1310, -96.4160, -25.7920

# Monochromacy



## Original Color

163.4240, -95.6830, -22.5550



## Achromatopsia

163.0000, -0.0000, -0.0000



## Achromatomaly

163.2930, -34.7980, -8.1260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 163.4240, -95.6830, -22.5550 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(58, 204, 231)` looks like.

```
.text, #text, p{  
    color:rgb(58, 204, 231)  
}
```

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(58, 204, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 204, 231) }
```

## Border

The CSS property to change the border of an element to YIQ 163.4240, -95.6830, -22.5550 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(58, 204, 231) }
```



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

```
.border{ border-color:rgb(58, 204, 231) }
```

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

Here you see how a box with a 4 pixel rgb(58, 204, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 204, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 204, 231);  
box-shadow:4px 4px 4px 4px rgb(58, 204,  
231) }
```

# Background

The CSS property to change the background color of an element to YIQ 163.4240, -95.6830, -22.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 204, 231) }
```

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

```
.background{ background-color: rgb(58, 204,  
231) }
```

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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