

# Converting Colors

YIQ(236.1890, -23.2420,  
-19.3220)

Have a look what the booklet for  
YIQ(236.1890, -23.2420, -19.3220)  
contains.

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# Color

**YIQ(236.1890, -23.2420,  
-19.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFE5
RGB	202, 255, 229
RGB Percent	79%, 100%, 90%
CMY	0.2080, 0.0000, 0.1020
CMYK	0.21, 0.00, 0.10, 0.00
HSL	151°, 100%, 90%
HSV	151°, 21%, 100%
XYZ	74.2476, 89.7276, 87.5212
YIQ	236.1890, -23.2420, -19.3220

# Conversions

## Conversions Part 2

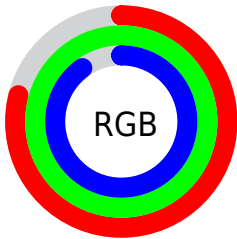
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 237, 255
Decimal	13303781
CIE <sub>Lab</sub>	95.88, -21.77, 6.95
CIE <sub>LCh</sub>	96, 22.851, 162.306
Yxy	89.7276, 0.2952, 0.3568
Android (android.graphics.Color)	4291493861 (0xFFCAFFE5)
YUV	236.1890, -3.5442, -29.9838
Hunter-Lab	94.7247, -25.8553, 11.5261

# Details

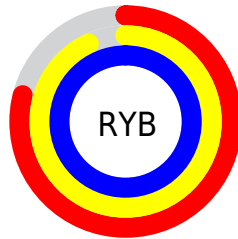
The YIQ color  $236.1890, -23.2420, -19.3220$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $220.8110, 23.2420, 19.3220$ , and the grayscale version is  $236.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.0150, -22.6920, -18.2760$  is the 20% darker color. If you saturate the color by 10%, you get  $226.9330, -34.5650, -28.8770$ , and if you desaturate by 10%, it is  $245.0320, -12.1940, -10.2900$ .

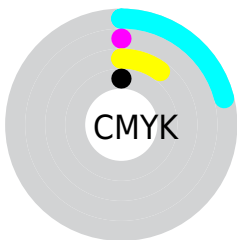
# Distribution



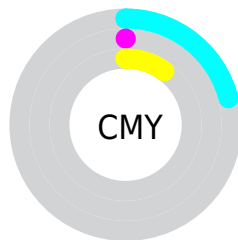
- Red (79%)
- Green (100%)
- Blue (90%)



- Red (79%)
- Yellow (93%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 236.1890, -23.2420, -19.3220 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 236.1890, -23.2420, -19.3220 by changing the saturation by 10% instead.



■ 236.1890,  
-23.2420, -19.3220

■ 236.1890,  
-23.2420, -19.3220

255.0000, -0.0000,  
-0.0000

■ 207.6020,  
-22.9670, -18.7990

■ 180.0150,  
-22.6920, -18.2760

■ 153.3140,  
-22.0960, -18.0640

■ 126.7270,  
-21.8210, -17.5410

■ 101.1400,  
-21.5460, -17.0180

■ 76.6670, -21.5920,  
-16.1840

■ 53.0690, -22.7840,

-16.6080

■ 30.8950, -22.2340,  
-15.5620

■ 16.8920, -8.9840,  
-13.4000

■ 236.1890,  
-23.2420, -19.3220

■ 236.1890,  
-23.2420, -19.3220

■ 226.9330,  
-34.5650, -28.8770

■ 245.0320,  
-12.1940, -10.2900

■ 218.0900,  
-45.6130, -37.9090

■ 254.2880, -0.8710,  
-0.7350

■ 208.8340,  
-56.9360, -47.4640

■ 255.0000, -0.0000,  
-0.0000

■ 199.9910,  
-67.9840, -56.4960

■ 190.7350,  
-79.3070, -66.0510

■ 181.8920,  
-90.3550, -75.0830

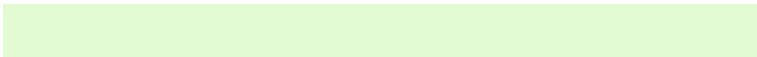
■ 172.6360,  
-101.6780, -84.6380

■ 164.5050,  
-111.8550, -92.9350

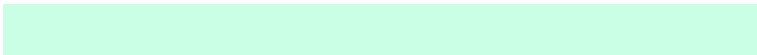
# Harmonies

## Analogous

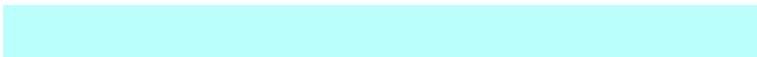
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



238.8510, -1.7390, -18.0510



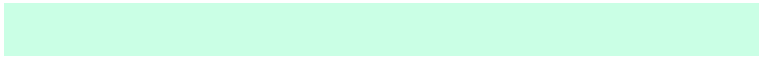
236.1890, -23.2420, -19.3220



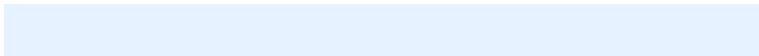
234.0270, -40.1610, -15.5610

# Triad

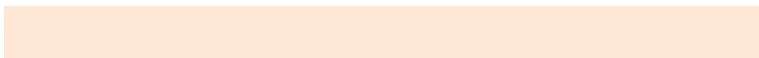
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.1890, -23.2420, -19.3220



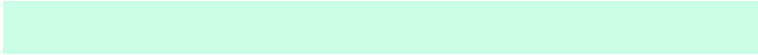
239.8940, -11.3250, 1.4990



236.2380, 19.7610, -0.1990

# Complementary

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



236.1890, -23.2420, -19.3220



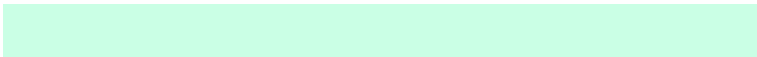
220.8110, 23.2420, 19.3220

# 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.



236.8710, 13.8450, 7.9010



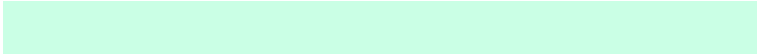
236.1890, -23.2420, -19.3220



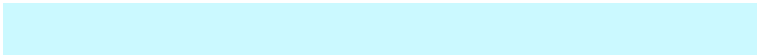
243.2600, 5.5000, 10.4600

# Square

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



236.1890, -23.2420, -19.3220



235.9300, -29.3420, -7.8860



239.7380, 7.1500, 13.5980

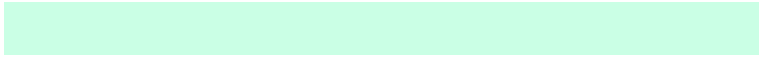


238.3920, 21.9630, -7.0690



# Rectangle

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



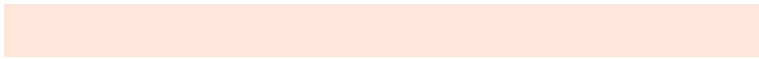
236.1890, -23.2420, -19.3220



233.7710, -42.3160, -15.0520



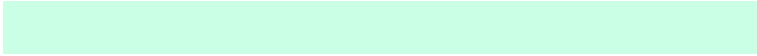
239.7380, 7.1500, 13.5980



235.7480, 18.3850, 2.7130

# Sweetspot

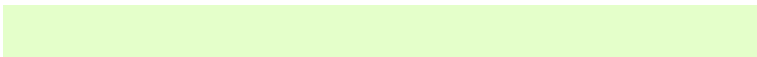
The Sweet Spot groups the original color and five complimentary colors.



236.1890, -23.2420, -19.3220



249.6030, -6.3720, -5.6680



240.8850, 0.9210, -22.2070



124.7390, -3.7590, -3.4630



0.0000, 0.0000, 0.0000

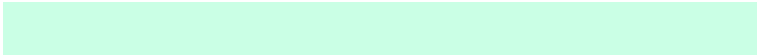


128.0000, -0.0000, -0.0000

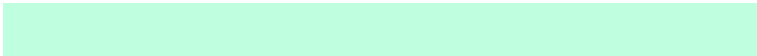


# Same Dimension

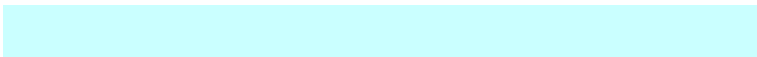
The Same Dimension uses a secret algorithm to generate beautiful new colors.



236.1890, -23.2420, -19.3220



232.3300, -28.1930, -23.2090



239.1530, -31.5880, -11.2360



123.3150, -5.5010, -4.9330



123.1750, -83.6620, -69.7260



41.2160, -27.8720, -23.5200



# Inverse Universe

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



220.8110, 23.2420, 19.3220



213.7840, 27.8720, 23.5200



217.8470, 31.5880, 11.2360



119.5710, 5.8220, 4.6220



67.8250, 83.6620, 69.7260

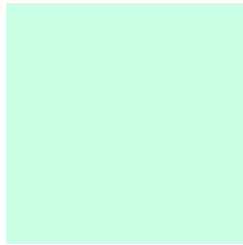


22.6700, 28.1930, 23.2090



# Previews

## White Background



This preview shows how the YIQ color 236.1890, -23.2420, -19.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

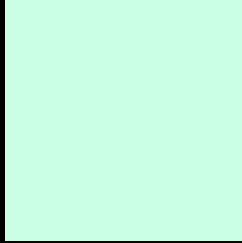
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 236.1890, -23.2420, -19.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

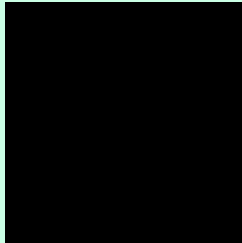
Any Text WCAG AA ✓ Pass

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 236.1890, -23.2420, -19.3220 Background



This preview shows how black text looks on a background with the YIQ color 236.1890, -23.2420, -19.3220.



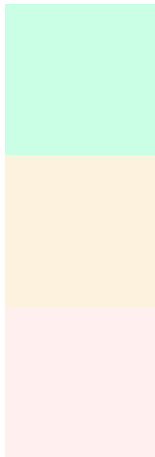
This preview shows how white text looks on a background with the YIQ color 236.1890, -23.2420, -19.3220.

-19.3220.

# 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

236.1890, -23.2420, -19.3220

### Protanopia

242.7100, 12.3800, -4.1000

### Deuteranopia

243.6700, 9.8570, 3.0810



## Tritanopia

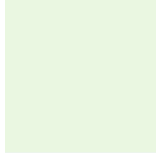
241.6440, -13.6170, -1.0170

# Trichromacy



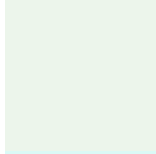
## Original Color

236.1890, -23.2420, -19.3220



## Protanomaly

240.6050, -0.6860, -9.5980



## Deuteranomaly

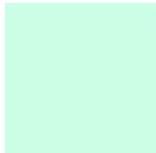
241.1690, -2.1540, -5.0180



## Tritanomaly

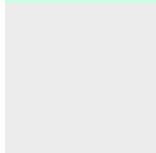
239.6880, -16.9170, -7.2930

# Monochromacy



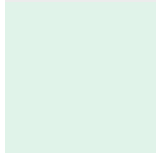
## Original Color

236.1890, -23.2420, -19.3220



## Achromatopsia

236.0000, 0.0000, -0.0000



## Achromatomaly

236.1790, -8.1140, -7.1380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 236.1890, -23.2420, -19.3220 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(202, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 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(202, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 229) }
```

## Border

The CSS property to change the border of an element to YIQ 236.1890, -23.2420, -19.3220 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(202, 255, 229) }
```



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

```
.border{ border-color:rgb(202, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
229) }
```

# Background

The CSS property to change the background color of an element to YIQ 236.1890, -23.2420, -19.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 229) }
```

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

```
.background{ background-color: rgb(202,  
255, 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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