

# Converting Colors

YIQ(227.7890, -33.5590,  
-14.0630)

Have a look what the booklet for  
YIQ(227.7890, -33.5590, -14.0630)  
contains.

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# Color

**YIQ(227.7890, -33.5590,  
-14.0630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF6F1
RGB	187, 246, 241
RGB Percent	73%, 96%, 95%
CMY	0.2668, 0.0352, 0.0550
CMYK	0.24, 0.00, 0.02, 0.04
HSL	175°, 77%, 85%
HSV	175°, 24%, 96%
XYZ	69.3201, 82.8357, 95.5286
YIQ	227.7890, -33.5590, -14.0630

# Conversions

## Conversions Part 2

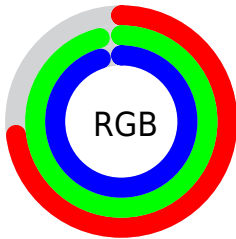
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 218, 246
Decimal	12318449
CIE Lab	92.94, -19.51, -3.63
CIE LCh	93, 19.848, 190.545
Yxy	82.8357, 0.2799, 0.3344
Android (android.graphics.Color)	4290508529 (0xFFBBF6F1)
YUV	227.7890, 6.5130, -35.7720
Hunter-Lab	91.0141, -23.3217, 1.4790

# Details

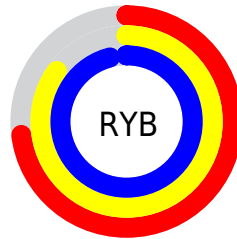
The YIQ color  $227.7890, -33.5590, -14.0630$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $205.2110, 33.5590, 14.0630$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $251.7110, -6.5560, -2.3320$ , and  $172.0880, -32.9630, -13.8510$  is the 20% darker color. If you saturate the color by 10%, you get  $220.0860, -47.8170, -19.9850$ , and if you desaturate by 10%, it is  $235.4920, -19.3010, -8.1410$ .

# Distribution



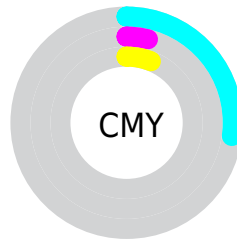
- Red (73%)
- Green (96%)
- Blue (95%)



- Red (73%)
- Yellow (85%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (27%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.7890, -33.5590, -14.0630 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 227.7890, -33.5590, -14.0630 by changing the saturation by 10% instead.



■ 227.7890,  
-33.5590, -14.0630

■ 227.7890,  
-33.5590, -14.0630

■ 255.0000, -0.0000,  
-0.0000

■ 199.2020,  
-33.2840, -13.5400

■ 251.7110, -6.5560,  
-2.3320

■ 172.0880,  
-32.9630, -13.8510

■ 144.8000,  
-32.0920, -13.1160

■ 118.8000,  
-32.0920, -13.1160

■ 93.5010, -32.6880,  
-13.3280

■ 68.0170, -34.2010,  
-13.4410

■ 43.2340, -36.3100,

-13.7660

■ 27.8120, -23.1980,  
-9.1020

■ 13.0910, -10.6820,  
-4.6500

■ 227.7890,  
-33.5590, -14.0630

■ 227.7890,  
-33.5590, -14.0630

■ 220.0860,  
-47.8170, -19.9850

■ 235.4920,  
-19.3010, -8.1410

■ 212.6820,  
-61.4790, -25.6950

■ 242.8960, -5.6390,  
-2.4310

■ 204.9790,  
-75.7370, -31.6170

■ 248.8050, 5.0430,  
2.2190

■ 197.5750,  
-89.3990, -37.3270

■ 249.0330, 4.4010,  
2.8410

■ 189.7580,  
-103.3360, -43.5600

■ 249.3750, 3.4380,  
3.7740

■ 182.0550,  
-117.5940, -49.4820

■ 249.6030, 2.7960,  
4.3960

■ 174.6510,  
-131.2560, -55.1920

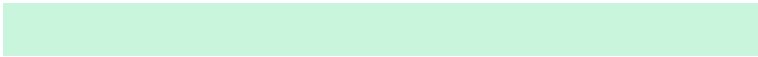
■ 249.7170, 2.4750,  
4.7070

■ 170.0520,  
-139.8750, -58.6830

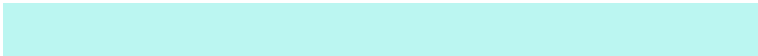
# Harmonies

## Analogous

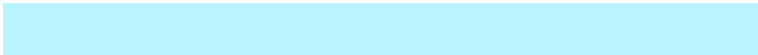
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.1080, -18.5200, -16.7920



227.7890, -33.5590, -14.0630



227.9120, -38.0990, -8.8750

# Triad

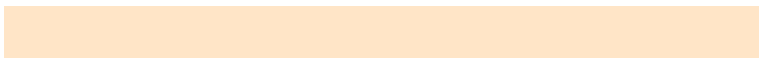
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227.7890, -33.5590, -14.0630



236.7590, 2.6570, 12.4250



233.3540, 25.1260, -3.8180

# Complementary

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



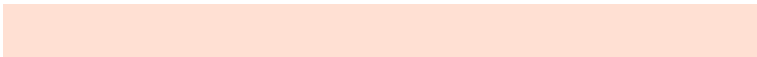
227.7890, -33.5590, -14.0630



205.2110, 33.5590, 14.0630

# 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.



231.7870, 22.6490, 2.5290



227.7890, -33.5590, -14.0630



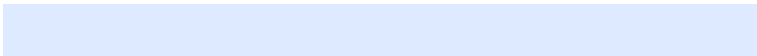
235.4180, 11.0470, 14.5590

# Square

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



227.7890, -33.5590, -14.0630



232.8060, -13.8930, 3.9870



232.5510, 17.7420, 8.8620

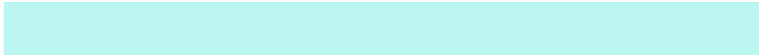


233.6470, 16.6910, -10.6450

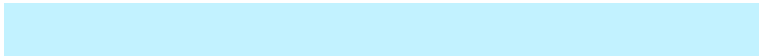


# Rectangle

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



227.7890, -33.5590, -14.0630



229.1300, -32.7810, -6.1330



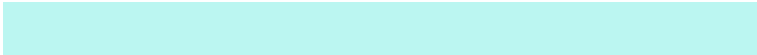
232.5510, 17.7420, 8.8620



232.5220, 24.7130, -1.8390

# Sweetspot

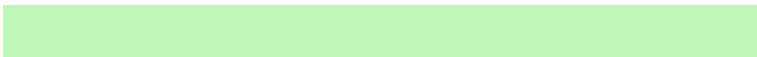
The Sweet Spot groups the original color and five complimentary colors.



227.7890, -33.5590, -14.0630



249.3900, -10.0860, -4.4380



223.4270, -12.6490, -29.5850



124.5970, -6.2350, -2.6430



0.0000, 0.0000, 0.0000

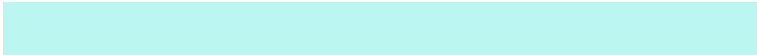


128.0000, -0.0000, -0.0000

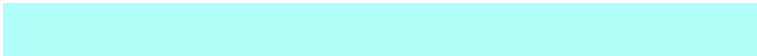


# Same Dimension

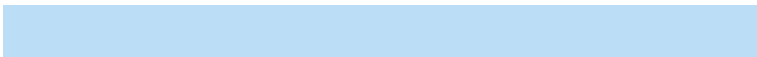
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.7890, -33.5590, -14.0630



232.1900, -42.1780, -17.5540



214.2710, -28.5640, 0.0440



118.2980, -6.8310, -2.8550



128.5620, -105.7200, -44.4080



40.7890, -33.5590, -14.0630



# Inverse Universe

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



205.2110, 33.5590, 14.0630



203.8100, 42.1780, 17.5540



218.7290, 28.5640, -0.0440



113.7020, 6.8310, 2.8550



57.4380, 105.7200, 44.4080

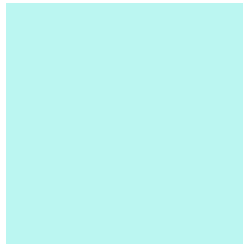


18.2110, 33.5590, 14.0630



# Previews

## White Background



This preview shows how the YIQ color 227.7890, -33.5590, -14.0630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

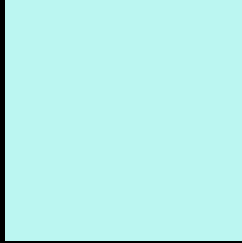
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.7890, -33.5590, -14.0630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

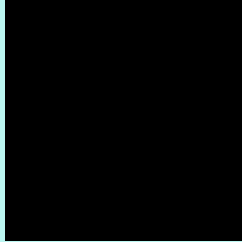
Any Text WCAG AA ✓ Pass

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 227.7890, -33.5590, -14.0630 Background



This preview shows how black text looks on a background with the YIQ color 227.7890, -33.5590, -14.0630.



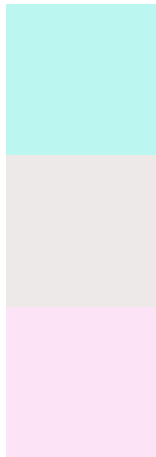
This preview shows how white text looks on a background with the YIQ color 227.7890, -33.5590, -14.0630.

-14.0630.

# 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

227.7890, -33.5590, -14.0630

### Protanopia

234.4950, 2.9800, 1.0600

### Deuteranopia

236.5270, 9.1220, 10.8980



## Tritanopia

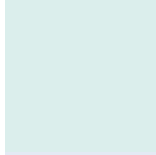
230.9460, -26.2710, -2.9670

# Trichromacy



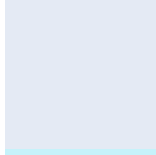
## Original Color

227.7890, -33.5590, -14.0630



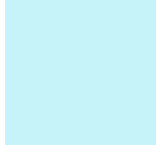
## Protanomaly

232.0910, -10.6820, -4.6500



## Deuteranomaly

233.3460, -6.7860, 1.8380



## Tritanomaly

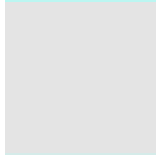
229.7560, -28.7920, -6.8400

# Monochromacy



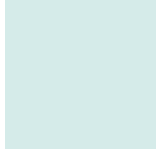
## Original Color

227.7890, -33.5590, -14.0630



## Achromatopsia

228.0000, 0.0000, 0.0000



## Achromatomaly

228.1940, -12.4700, -5.2860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.7890, -33.5590, -14.0630 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(187, 246, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 246, 241)  
}
```

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(187, 246, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 246, 241) }
```

## Border

The CSS property to change the border of an element to YIQ 227.7890, -33.5590, -14.0630 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(187, 246, 241) }
```



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

```
.border{ border-color:rgb(187, 246, 241) }
```

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

Here you see how a box with a 4 pixel rgb(187, 246, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 246, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 246, 241);  
box-shadow:4px 4px 4px 4px rgb(187, 246,  
241) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.7890, -33.5590, -14.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 246, 241) }
```

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

```
.background{ background-color: rgb(187,  
246, 241) }
```

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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