

# Converting Colors

YIQ(217.9660, -20.9960,  
-15.9720)

Have a look what the booklet for  
YIQ(217.9660, -20.9960, -15.9720)  
contains.

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# Color

**YIQ(217.9660, -20.9960,  
-15.9720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCEAD6
RGB	188, 234, 214
RGB Percent	74%, 92%, 84%
CMY	0.2629, 0.0823, 0.1608
CMYK	0.20, 0.00, 0.09, 0.08
HSL	154°, 52%, 83%
HSV	154°, 20%, 92%
XYZ	62.2951, 74.3982, 74.6837
YIQ	217.9660, -20.9960, -15.9720

# Conversions

## Conversions Part 2

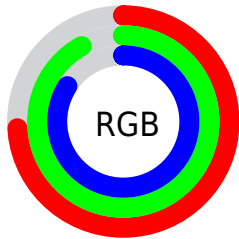
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 217, 234
Decimal	12380886
CIE <sub>Lab</sub>	89.11, -18.74, 4.84
CIE <sub>LCh</sub>	89, 19.359, 165.511
Yxy	74.3982, 0.2947, 0.3520
Android (android.graphics.Color)	4290570966 (0xFFBCEAD6)
YUV	217.9660, -1.9552, -26.2802
Hunter-Lab	86.2544, -22.0280, 9.0416

# Details

The YIQ color **217.9660, -20.9960, -15.9720** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **204.0340, 20.9960, 15.9720**, and the grayscale version is **218.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **252.0100, -5.9600, -2.1200**, and **162.6780, -20.1250, -15.2370** is the 20% darker color. If you saturate the color by 10%, you get **209.9490, -31.4940, -23.9580**, and if you desaturate by 10%, it is **225.9830, -10.4980, -7.9860**.

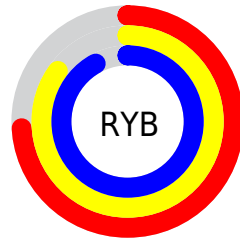
# Distribution



Red (74%)

Green (92%)

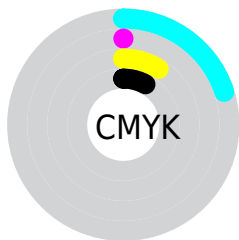
Blue (84%)



Red (74%)

Yellow (85%)

Blue (92%)

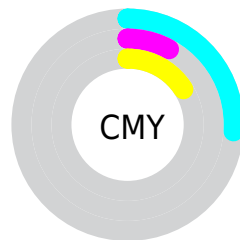


Cyan (20%)

Magenta (0%)

Yellow (9%)

Black (8%)



Cyan (26%)

Magenta (8%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.9660, -20.9960, -15.9720 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 217.9660, -20.9960, -15.9720 by changing the saturation by 10% instead.



■ 217.9660,  
-20.9960, -15.9720

■ 217.9660,  
-20.9960, -15.9720

255.0000, -0.0000,  
-0.0000

■ 190.2650,  
-20.4000, -15.7600

■ 252.0100, -5.9600,  
-2.1200

■ 162.6780,  
-20.1250, -15.2370

■ 136.0910,  
-19.8500, -14.7140

■ 110.5040,  
-19.5750, -14.1910

■ 85.9170, -19.3000,  
-13.6680

■ 62.0310, -19.6210,  
-13.3570

■ 38.5470, -21.1340,

-13.4700

■ 20.8360, -14.5780,  
-11.1380

■ 0.0000, 0.0000,  
0.0000

■ 217.9660,  
-20.9960, -15.9720

■ 217.9660,  
-20.9960, -15.9720

■ 209.9490,  
-31.4940, -23.9580

■ 225.9830,  
-10.4980, -7.9860

■ 201.6330,  
-42.5880, -32.1560

■ 234.2990, 0.5960,  
0.2120

■ 193.5020,  
-52.7650, -40.4530

■ 241.5330, 8.9850,  
7.8730

■ 185.1860,  
-63.8590, -48.6510

■ 242.6730, 5.7750,  
10.9830

■ 177.1690,  
-74.3570, -56.6370

■ 169.1520,  
-84.8550, -64.6230

■ 160.8360,  
-95.9490, -72.8210

■ 152.8190,  
-106.4470, -80.8070

■ 152.4060,  
-106.7220, -81.3300

# Harmonies

## Analogous

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



220.0620, -3.7110, -15.3510



217.9660, -20.9960, -15.9720



217.1310, -34.5220, -13.1300

# Triad

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



217.9660, -20.9960, -15.9720



223.9680, -14.1690, 8.9910



224.4350, 29.5720, 3.7160

# Complementary

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



217.9660, -20.9960, -15.9720



204.0340, 20.9960, 15.9720

# 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.



224.6120, 24.9400, 10.5720



217.9660, -20.9960, -15.9720



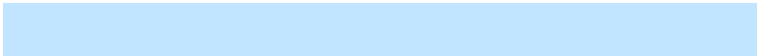
226.7530, 2.7940, 15.4500

# Square

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



217.9660, -20.9960, -15.9720



220.6130, -29.5270, 0.9770



227.3650, 18.5660, 15.9580



224.5390, 26.0430, -3.9170



# Rectangle

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



217.9660, -20.9960, -15.9720



217.9120, -38.0990, -8.8750



227.3650, 18.5660, 15.9580



224.4180, 28.2420, 5.7940

# Sweetspot

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



217.9660, -20.9960, -15.9720



249.7170, -6.6930, -5.3570



221.2810, -0.1340, -19.6060



124.8530, -4.0800, -3.1520



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

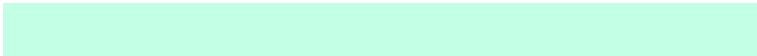


# Same Dimension

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



217.9660, -20.9960, -15.9720



233.6830, -27.6890, -21.3290



219.0720, -26.8660, -8.7060



113.1410, -4.9510, -3.8870



117.8750, -82.5170, -62.9410



35.1180, -24.4800, -18.9120



# Inverse Universe

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



204.0340, 20.9960, 15.9720



215.2030, 28.0100, 21.0180



202.9280, 26.8660, 8.7060



109.8590, 4.9510, 3.8870



63.1250, 82.5170, 62.9410

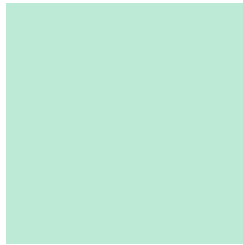


18.7680, 24.8010, 18.6010



# Previews

## White Background



This preview shows how the YIQ color 217.9660, -20.9960, -15.9720 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 217.9660, -20.9960, -15.9720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

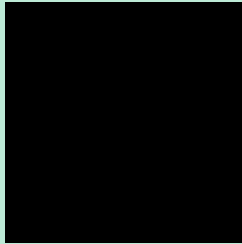
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

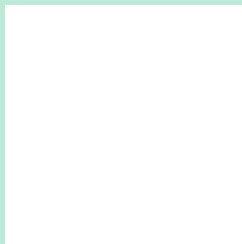
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 217.9660, -20.9960, -15.9720 Background



This preview shows how black text looks on a background with the YIQ color 217.9660, -20.9960, -15.9720.



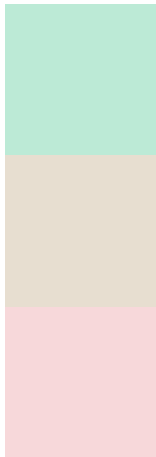
This preview shows how white text looks on a background with the YIQ color 217.9660, -20.9960, -15.9720.

-15.9720.

# 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

217.9660, -20.9960, -15.9720

### Protanopia

223.0950, 9.8580, -2.4460

### Deuteranopia

225.4970, 17.8340, 7.1940



## Tritanopia

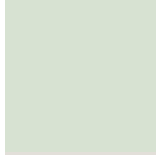
220.5870, -26.6380, -1.8220

# Trichromacy



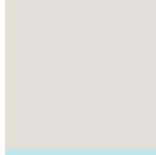
## Original Color

217.9660, -20.9960, -15.9720



## Protanomaly

220.8870, -1.4200, -7.3080



## Deuteranomaly

223.2130, 3.7140, -1.2300



## Tritanomaly

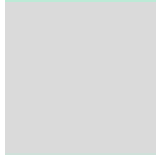
219.7950, -24.5280, -7.0240

# Monochromacy



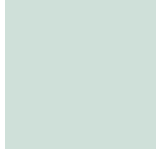
## Original Color

217.9660, -20.9960, -15.9720



## Achromatopsia

218.0000, -0.0000, 0.0000



## Achromatomaly

218.1190, -7.8850, -5.7810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.9660, -20.9960, -15.9720 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(188, 234, 214)` looks like.

```
.text, #text, p{  
    color:rgb(188, 234, 214)  
}
```

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(188, 234, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 234, 214) }
```

## Border

The CSS property to change the border of an element to YIQ 217.9660, -20.9960, -15.9720 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(188, 234, 214) }
```



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

```
.border{ border-color:rgb(188, 234, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 234, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 234, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 234, 214);  
box-shadow:4px 4px 4px 4px rgb(188, 234,  
214) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.9660, -20.9960, -15.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 234, 214) }
```

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

```
.background{ background-color: rgb(188,  
234, 214) }
```

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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