

# Converting Colors

YIQ(224.2230, -29.7500,  
-33.5420)

Have a look what the booklet for  
YIQ(224.2230, -29.7500, -33.5420)  
contains.

<b>YIQ(224.2230, -29.7500, -33.5420)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(224.2230, -29.7500,  
-33.5420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF FEC 8
RGB	175, 254, 200
RGB Percent	69%, 100%, 78%
CMY	0.3139, 0.0038, 0.2158
CMYK	0.31, 0.00, 0.21, 0.00
HSL	139°, 98%, 84%
HSV	139°, 31%, 100%
XYZ	63.5419, 84.1813, 67.5313
YIQ	224.2230, -29.7500, -33.5420

# Conversions

## Conversions Part 2

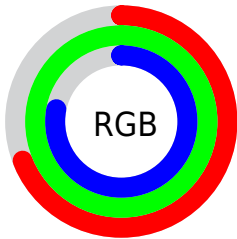
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 235, 254
Decimal	11534024
CIELab	93.53, -34.91, 18.28
CIELCh	94, 39.409, 152.359
Yxy	84.1813, 0.2952, 0.3911
Android (android.graphics.Color)	4289724104 (0xFFAFFEC8)
YUV	224.2230, -11.9419, -43.1686
Hunter-Lab	91.7503, -36.9426, 20.5859

# Details

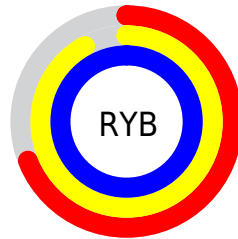
The YIQ color **224.2230, -29.7500, -33.5420** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **204.7770, 29.7500, 33.5420**, and the grayscale version is **224.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **248.1230, -13.7080, -4.8760**, and **168.1630, -29.5210, -32.1850** is the 20% darker color. If you saturate the color by 10%, you get **214.8100, -39.1930, -44.1290**, and if you desaturate by 10%, it is **233.6360, -20.3070, -22.9550**.

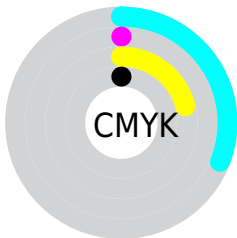
# Distribution



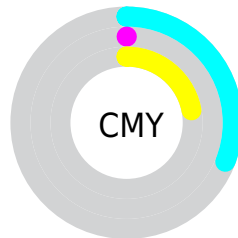
- Red (69%)
- Green (100%)
- Blue (78%)



- Red (69%)
- Yellow (92%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 224.2230, -29.7500, -33.5420 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 224.2230, -29.7500, -33.5420 by changing the saturation by 10% instead.



■ 224.2230,  
-29.7500, -33.5420

■ 224.2230,  
-29.7500, -33.5420

255.0000, -0.0000,  
-0.0000

■ 195.7500,  
-29.7960, -32.7080

■ 248.1230,  
-13.7080, -4.8760

■ 168.1630,  
-29.5210, -32.1850

■ 140.6900,  
-29.5670, -31.3510

■ 114.5050,  
-30.4840, -31.2520

■ 88.4340, -31.7220,  
-30.8420

■ 58.8890, -40.4330,  
-32.6650

■ 42.4070, -27.0920,

-26.6440

■ 26.0560, -12.7420,  
-22.3900

■ 12.3270, -5.7750,  
-10.9830

■ 224.2230,  
-29.7500, -33.5420

■ 224.2230,  
-29.7500, -33.5420

■ 214.8100,  
-39.1930, -44.1290

■ 233.6360,  
-20.3070, -22.9550

■ 204.9840,  
-48.9110, -55.2390

■ 243.4620,  
-10.5890, -11.8450

■ 195.5710,  
-58.3540, -65.8260

■ 252.8750, -1.1460,  
-1.2580

■ 185.8590,  
-68.3930, -76.6250

254.4130, 0.2750,  
0.5230

■ 176.3320,  
-77.5150, -87.5230

■ 166.9190,  
-86.9580, -98.1100

■ 158.2180,  
-95.5300, -107.9620

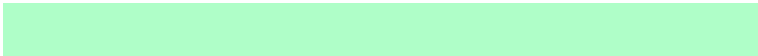
# Harmonies

## Analogous

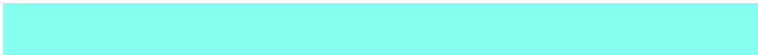
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.3770, 7.9830, -29.0490



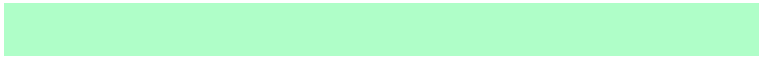
224.2230, -29.7500, -33.5420



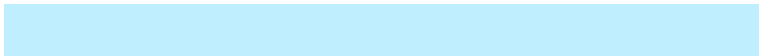
216.5840, -67.2550, -31.1510

# Triad

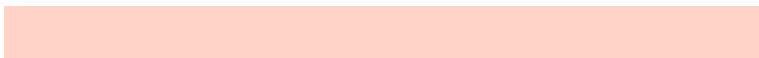
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



224.2230, -29.7500, -33.5420



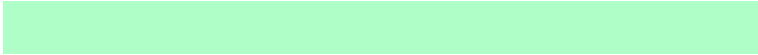
226.4720, -33.7440, -5.2000



222.6740, 30.3970, 5.2850

# Complementary

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



224.2230, -29.7500, -33.5420



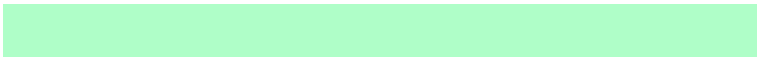
204.7770, 29.7500, 33.5420

# 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.



225.1310, 19.3450, 18.3610



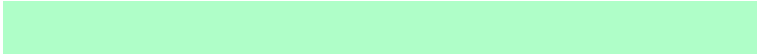
224.2230, -29.7500, -33.5420



235.2860, 2.6110, 13.2590

# Square

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



224.2230, -29.7500, -33.5420



216.7830, -68.9530, -22.4010



230.9330, 11.2750, 21.4430

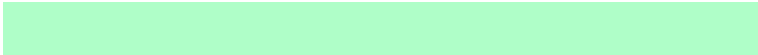


225.9390, 36.3600, -9.1760



# Rectangle

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



224.2230, -29.7500, -33.5420



212.8410, -84.0360, -29.8920



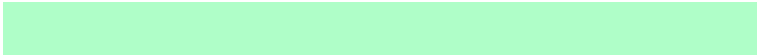
230.9330, 11.2750, 21.4430



222.7540, 27.4160, 9.7520

# Sweetspot

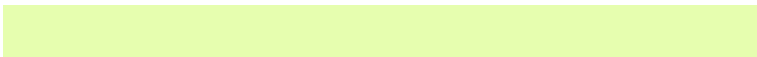
The Sweet Spot groups the original color and five complimentary colors.



224.2230, -29.7500, -33.5420



246.2990, -8.5720, -9.8520



237.8180, 11.0550, -29.6570



122.3750, -5.7300, -6.2900



0.0000, 0.0000, 0.0000

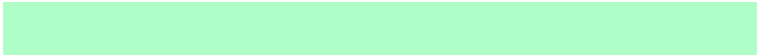


128.0000, -0.0000, -0.0000

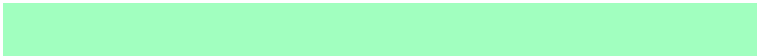


# Same Dimension

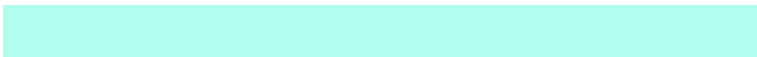
The Same Dimension uses a secret algorithm to generate beautiful new colors.



224.2230, -29.7500, -33.5420



219.5980, -35.4800, -39.8320



228.5550, -41.9480, -21.7240



123.0870, -4.8590, -5.5550



119.0710, -72.1060, -80.9220



39.8480, -24.0200, -27.2520



# Inverse Universe

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



204.7770, 29.7500, 33.5420



196.4020, 35.4800, 39.8320



200.4450, 41.9480, 21.7240



119.7990, 5.1800, 5.2440



72.0430, 71.7850, 81.2330

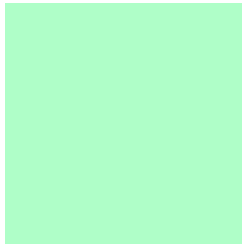


24.1520, 24.0200, 27.2520



# Previews

## White Background



This preview shows how the YIQ color 224.2230, -29.7500, -33.5420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

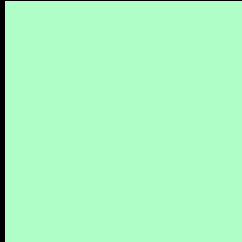
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 224.2230, -29.7500, -33.5420 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 224.2230, -29.7500, -33.5420 Background



This preview shows how black text looks on a background with the YIQ color 224.2230, -29.7500, -33.5420.



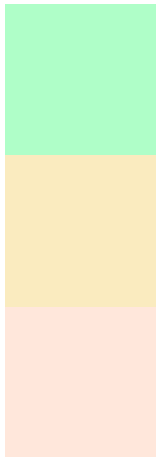
This preview shows how white text looks on a background with the YIQ color 224.2230, -29.7500, -33.5420.

-33.5420.

# 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

224.2230, -29.7500, -33.5420

### Protanopia

234.4690, 23.0640, -10.5040

### Deuteranopia

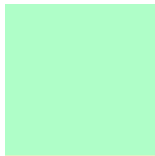
236.8080, 18.1560, 1.3560



## Tritanopia

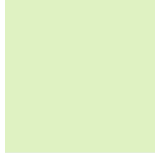
232.7180, -25.6290, -3.5890

# Trichromacy



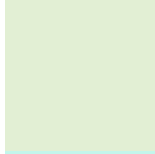
## Original Color

224.2230, -29.7500, -33.5420



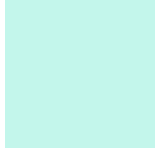
## Protanomaly

230.8470, 4.0840, -18.9560



## Deuteranomaly

232.0350, 0.9190, -11.1530



## Tritanomaly

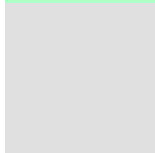
229.4970, -26.8650, -14.2330

# Monochromacy



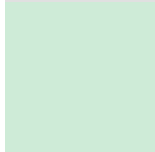
## Original Color

224.2230, -29.7500, -33.5420



## Achromatopsia

224.0000, -0.0000, 0.0000



## Achromatomaly

224.0490, -10.8640, -12.3680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 224.2230, -29.7500, -33.5420 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(175, 254, 200)` looks like.

```
.text, #text, p{  
    color:rgb(175, 254, 200)  
}
```

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(175, 254, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 254, 200) }
```

## Border

The CSS property to change the border of an element to YIQ 224.2230, -29.7500, -33.5420 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(175, 254, 200) }
```



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

```
.border{ border-color:rgb(175, 254, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 254, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 254, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 254, 200);  
box-shadow:4px 4px 4px 4px rgb(175, 254,  
200) }
```

# Background

The CSS property to change the background color of an element to YIQ 224.2230, -29.7500, -33.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 254, 200) }
```

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

```
.background{ background-color: rgb(175,  
254, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor