

Converting Colors

YIQ(228.9570, -33.9720,
-12.0840)

Have a look what the booklet for
YIQ(228.9570, -33.9720, -12.0840)
contains.

YIQ(228.9570, -33.9720, -12.0840)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(228.9570, -33.9720,
-12.0840)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF6F6
RGB	189, 246, 246
RGB Percent	74%, 96%, 96%
CMY	0.2589, 0.0352, 0.0354
CMYK	0.23, 0.00, 0.00, 0.04
HSL	180°, 76%, 85%
HSV	180°, 23%, 96%
XYZ	70.5700, 83.3922, 99.5380
YIQ	228.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

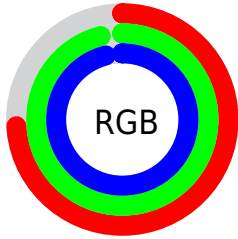
Format	Color
R_{YB}	189, 218, 246
Decimal	12449526
CIE _{Lab}	93.19, -17.87, -5.85
CIE _{LCh}	93, 18.808, 198.137
Yxy	83.3922, 0.2784, 0.3290
Android (android.graphics.Color)	4290639606 (0xFFBDF6F6)
YUV	228.9570, 8.4022, -35.0423
Hunter-Lab	91.3193, -21.8671, -0.7025

Details

The YIQ color $228.9570, -33.9720, -12.0840$ is a light color, and the websafe version is hex $CCFFFF$. A complement of this color would be $206.0430, 33.9720, 12.0840$, and the grayscale version is $229.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $252.3090, -5.3640, -1.9080$, and $173.2560, -33.3760, -11.8720$ is the 20% darker color. If you saturate the color by 10%, you get $221.4820, -48.8720, -17.3840$, and if you desaturate by 10%, it is $236.4320, -19.0720, -6.7840$.

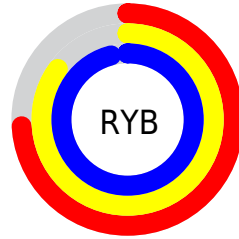
Distribution



Red (74%)

Green (96%)

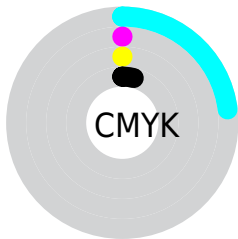
Blue (96%)



Red (74%)

Yellow (85%)

Blue (96%)

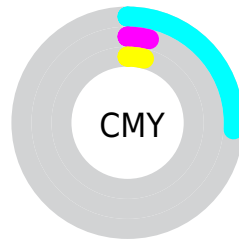


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (26%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.9570, -33.9720, -12.0840 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 228.9570, -33.9720, -12.0840 by changing the saturation by 10% instead.

■ 228.9570,
-33.9720, -12.0840

■ 228.9570,
-33.9720, -12.0840

■ 255.0000, -0.0000,
-0.0000

■ 200.3700,
-33.6970, -11.5610

■ 252.3090, -5.3640,
-1.9080

■ 173.2560,
-33.3760, -11.8720

■ 145.9680,
-32.5050, -11.1370

■ 119.8540,
-32.1840, -11.4480

■ 94.5550, -32.7800,
-11.6600

■ 69.0710, -34.2930,
-11.7730

■ 44.2770, -37.8690,

-13.0450

■ 28.2680, -24.4820,
-7.8580

■ 14.1340, -12.2410,
-3.9290

■ 228.9570,
-33.9720, -12.0840

■ 228.9570,
-33.9720, -12.0840

■ 221.4820,
-48.8720, -17.3840

■ 236.4320,
-19.0720, -6.7840

■ 214.3060,
-63.1760, -22.4720

■ 243.6080, -4.7680,
-1.6960

■ 206.8310,
-78.0760, -27.7720

■ 248.6910, 5.3640,
1.9080

■ 199.6550,
-92.3800, -32.8600

■ 192.1800,
-107.2800, -38.1600

■ 184.7050,
-122.1800, -43.4600

■ 177.5290,
-136.4840, -48.5480

■ 172.4460,
-146.6160, -52.1520

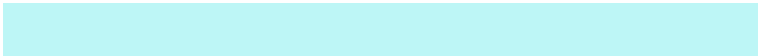
Harmonies

Analogous

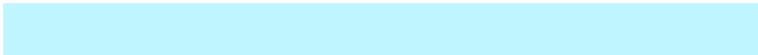
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.7810, -21.9130, -15.8730



228.9570, -33.9720, -12.0840



229.7060, -34.5230, -7.6030

Triad

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



228.9570, -33.9720, -12.0840



237.6670, 5.9120, 14.0080



235.2290, 23.9800, -5.0760

Complementary

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



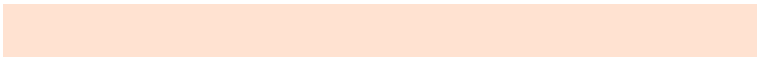
228.9570, -33.9720, -12.0840



206.0430, 33.9720, 12.0840

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.



232.7330, 22.7410, 0.8610



228.9570, -33.9720, -12.0840



235.4350, 12.3770, 12.4810

Square

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



228.9570, -33.9720, -12.0840



234.6110, -8.8500, 6.2060



232.7960, 18.4300, 7.4060



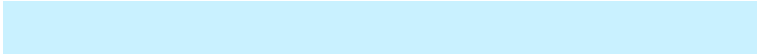
233.7820, 11.8770, -11.5070

Rectangle

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



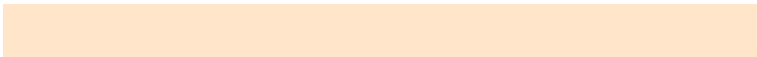
228.9570, -33.9720, -12.0840



230.6360, -28.3340, -4.1260



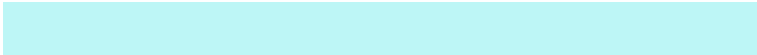
232.7960, 18.4300, 7.4060



234.2830, 23.8880, -3.4080

Sweetspot

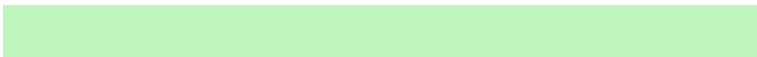
The Sweet Spot groups the original color and five complimentary colors.



228.9570, -33.9720, -12.0840



249.6180, -10.7280, -3.8160



222.7580, -15.0790, -29.5990



124.5970, -6.2350, -2.6430



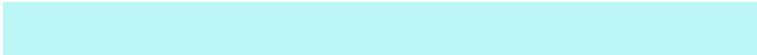
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



228.9570, -33.9720, -12.0840



233.7710, -42.3160, -15.0520



212.5210, -26.2720, 2.5600



118.4120, -7.1520, -2.5440



130.3860, -110.8560, -39.4320



41.3590, -35.1640, -12.5080

Inverse Universe

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



206.0430, 33.9720, 12.0840



205.2290, 42.3160, 15.0520



222.4790, 26.2720, -2.5600



113.5880, 7.1520, 2.5440



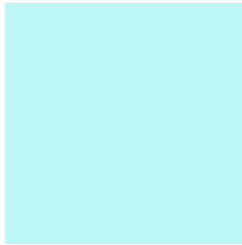
55.6140, 110.8560, 39.4320



17.6410, 35.1640, 12.5080

Previews

White Background



This preview shows how the YIQ color 228.9570, -33.9720, -12.0840 looks on a white background.

Color Contrast Check

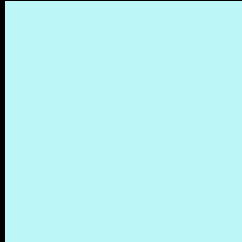
Large Text (above 18pt) WCAG AA × Fail

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 228.9570, -33.9720, -12.0840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

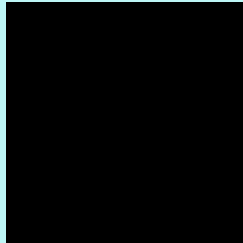
Any Text WCAG AA ✓ Pass

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 228.9570, -33.9720, -12.0840 Background



This preview shows how black text looks on a background with the YIQ color 228.9570, -33.9720, -12.0840.



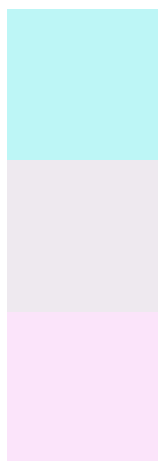
This preview shows how white text looks on a background with the YIQ color 228.9570, -33.9720, -12.0840.

-12.0840.

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

228.9570, -33.9720, -12.0840

Protanopia

235.1790, 1.0540, 2.9260

Deuteranopia

237.3850, 6.6460, 11.7180



Tritanopia

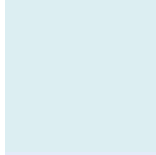
232.1310, -25.3540, -3.0660

Trichromacy



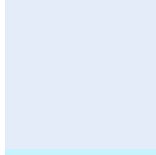
Original Color

228.9570, -33.9720, -12.0840



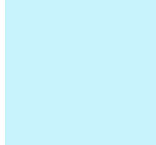
Protanomaly

233.0740, -12.0120, -2.5720



Deuteranomaly

234.5030, -8.6660, 2.8700



Tritanomaly

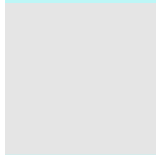
231.1690, -28.5170, -6.3170

Monochromacy



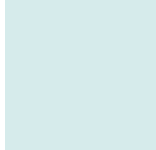
Original Color

228.9570, -33.9720, -12.0840



Achromatopsia

229.0000, -0.0000, -0.0000



Achromatomaly

228.7210, -12.5160, -4.4520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.9570, -33.9720, -12.0840 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(189, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 246)  
}
```

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(189, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 246) }
```

Border

The CSS property to change the border of an element to YIQ 228.9570, -33.9720, -12.0840 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(189, 246, 246) }
```


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

```
.border{ border-color:rgb(189, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(189, 246,  
246) }
```

Background

The CSS property to change the background color of an element to YIQ 228.9570, -33.9720, -12.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 246) }
```

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

```
.background{ background-color: rgb(189,  
246, 246) }
```

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