

Converting Colors

YIQ(228.1230, 2.3460, -42.5340)

Have a look what the booklet for
YIQ(228.1230, 2.3460, -42.5340)
contains.

YIQ(228.1230, 2.3460, -42.5340)	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(228.1230, 2.3460,
-42.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFF99
RGB	204, 255, 153
RGB Percent	80%, 100%, 60%
CMY	0.2002, 0.0000, 0.3999
CMYK	0.20, 0.00, 0.40, 0.00
HSL	90°, 100%, 80%
HSV	90°, 40%, 100%
XYZ	66.4006, 86.6514, 43.3725
YIQ	228.1230, 2.3460, -42.5340

Conversions

Conversions Part 2

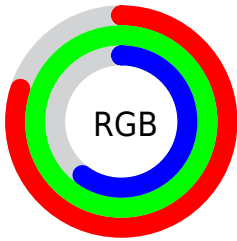
Format	Color
RYB	153, 255, 204
Decimal	13434777
CIELab	94.59, -33.02, 43.52
CIElCh	95, 54.628, 127.195
Yxy	86.6514, 0.3380, 0.4411
Android (android.graphics.Color)	4291624857 (0xFFCCFF99)
YUV	228.1230, -37.0356, -21.1559
Hunter-Lab	93.0867, -35.5742, 37.5354

Details

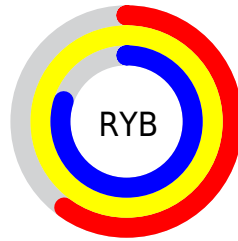
The YIQ color $228.1230, 2.3460, -42.5340$ is a light color, and the websafe version is hex $CCFF99$. A complement of this color would be $179.8770, -2.3460, 42.5340$, and the grayscale version is $228.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $249.6420, 15.0870, -14.6170$, and $171.8780, 1.6580, -41.0780$ is the 20% darker color. If you saturate the color by 10%, you get $221.3860, 2.6230, -53.0650$, and if you desaturate by 10%, it is $234.9740, 1.7480, -31.6920$.

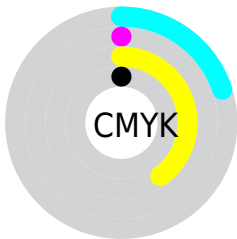
Distribution



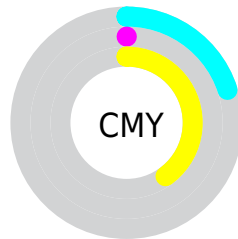
- Red (80%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.1230, 2.3460, -42.5340 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 228.1230, 2.3460, -42.5340 by changing the saturation by 10% instead.

 228.1230, 2.3460,
-42.5340


 228.1230, 2.3460,
-42.5340


255.0000, -0.0000,
-0.0000

 199.6500, 2.3000,
-41.7000

 249.6420, 15.0870,
-14.6170


 171.8780, 1.6580,
-41.0780

 252.9480, 5.7780,
-5.5980

 145.1060, 1.0160,
-40.4560

 118.2200, 0.6950,
-40.1450

 92.2200, 0.6950,
-40.1450

 67.1490, -0.5430,
-39.7350

 44.9880, -10.0350,

-32.9070

■ 27.0020, -12.6500,
-24.0580

■ 14.6750, -6.8750,
-13.0750

■ 228.1230, 2.3460,
-42.5340

■ 228.1230, 2.3460,
-42.5340

■ 221.3860, 2.6230,
-53.0650

■ 234.9740, 1.7480,
-31.6920

■ 214.5350, 3.2210,
-63.9070

■ 241.4120, 0.8750,
-21.3730

■ 208.0970, 4.0940,
-74.2260

■ 248.2630, 0.2770,
-10.5310

■ 201.2460, 4.6920,
-85.0680

■ 255.0000, -0.0000,
-0.0000

■ 194.5090, 4.9690,
-95.5990

■ 187.6580, 5.5670,
-106.4410

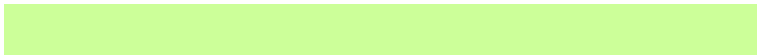
Harmonies

Analogous

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



232.8740, 43.0120, -30.6200



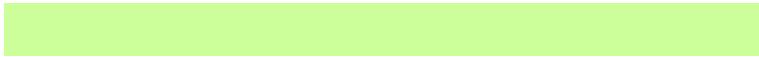
228.1230, 2.3460, -42.5340



212.8070, -52.3060, -43.2660

Triad

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



228.1230, 2.3460, -42.5340



196.9940, -115.6240, -41.1280



217.9900, 24.2960, 22.2480

Complementary

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



228.1230, 2.3460, -42.5340



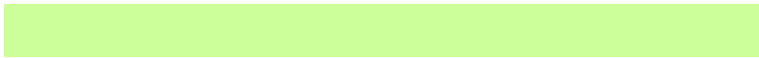
179.8770, -2.3460, 42.5340

Split Complementary

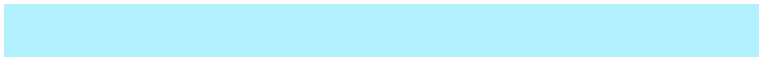
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225.0630, 14.0250, 26.6730



228.1230, 2.3460, -42.5340



224.3570, -40.8500, -8.5780

Square

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



228.1230, 2.3460, -42.5340



178.7550, -151.9800, -54.0600



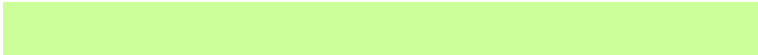
235.0420, 9.3500, 17.7820



216.8720, 38.4670, 2.2030

Rectangle

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



228.1230, 2.3460, -42.5340



198.6720, -100.2180, -45.0020



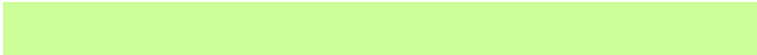
235.0420, 9.3500, 17.7820



220.6290, 18.2430, 27.3230

Sweetspot

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



228.1230, 2.3460, -42.5340



246.9810, 1.0110, -12.8210



213.4350, 46.7670, -5.0490



123.2570, 0.4140, -7.5060



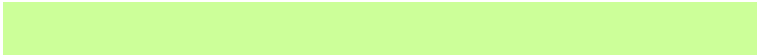
0.0000, 0.0000, 0.0000



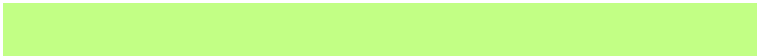
128.0000, -0.0000, -0.0000

Same Dimension

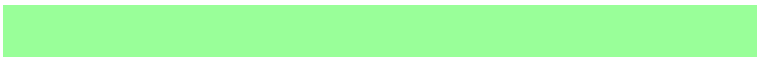
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228.1230, 2.3460, -42.5340



222.8530, 2.8060, -50.8740



212.8740, -28.0500, -53.3460



124.4250, 0.0010, -5.5270



140.8210, 4.6910, -79.5410



47.1360, 1.4720, -26.6880

Inverse Universe

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



179.8770, -2.3460, 42.5340



165.1470, -2.8060, 50.8740



195.1260, 28.0500, 53.3460



118.2760, -0.5970, 5.3150



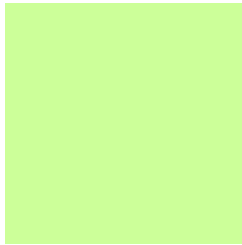
50.4780, -4.0950, 79.7530



16.8640, -1.4720, 26.6880

Previews

White Background



This preview shows how the YIQ color 228.1230, 2.3460, -42.5340 looks on a white background.

Color Contrast Check

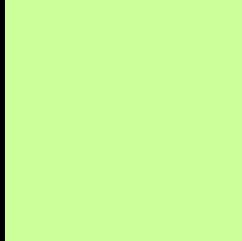
Large Text (above 18pt) WCAG AA × Fail

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 228.1230, 2.3460, -42.5340 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

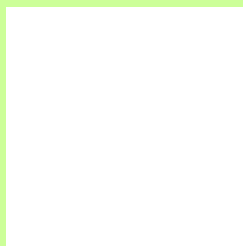
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 228.1230, 2.3460, -42.5340

Background



This preview shows how black text looks on a background with the YIQ color 228.1230, 2.3460, -42.5340.



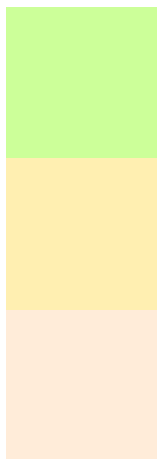
This preview shows how white text looks on a background with the YIQ color 228.1230, 2.3460, -42.5340.

-42.5340.

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

228.1230, 2.3460, -42.5340

Protanopia

236.7160, 29.4380, -15.8900

Deuteranopia

239.5150, 17.4230, -1.8810



Tritanopia

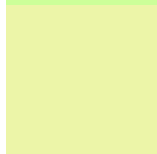
237.8120, -14.0300, 0.9620

Trichromacy



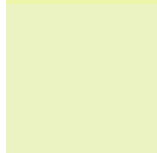
Original Color

228.1230, 2.3460, -42.5340



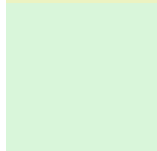
Protanomaly

233.5310, 19.3530, -25.8550



Deuteranomaly

235.3210, 11.5570, -16.7230



Tritanomaly

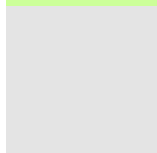
234.1370, -8.2960, -14.8560

Monochromacy



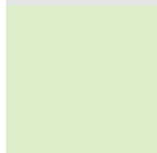
Original Color

228.1230, 2.3460, -42.5340



Achromatopsia

228.0000, 0.0000, 0.0000



Achromatomaly

228.1010, 0.5530, -15.5350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.1230, 2.3460, -42.5340 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(204, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 153)  
}
```

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(204, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 153) }
```

Border

The CSS property to change the border of an element to YIQ 228.1230, 2.3460, -42.5340 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(204, 255, 153) }
```


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

```
.border{ border-color:rgb(204, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
153) }
```

Background

The CSS property to change the background color of an element to YIQ 228.1230, 2.3460, -42.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 153) }
```

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

```
.background{ background-color: rgb(204,  
255, 153) }
```

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