

Converting Colors

YIQ(235.7740, -10.8670, 4.2130)

Have a look what the booklet for
YIQ(235.7740, -10.8670, 4.2130)
contains.

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Color

**YIQ(235.7740, -10.8670,
4.2130)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECFF
RGB	228, 236, 255
RGB Percent	89%, 93%, 100%
CMY	0.1059, 0.0745, 0.0001
CMYK	0.11, 0.07, 0.00, 0.00
HSL	222°, 100%, 95%
HSV	222°, 11%, 100%
XYZ	80.0384, 83.7056, 106.5336
YIQ	235.7740, -10.8670, 4.2130

Conversions

Conversions Part 2

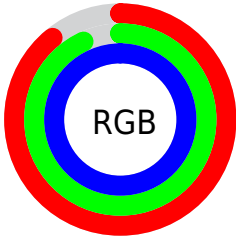
Format	Color
R_{YB}	228, 234, 255
Decimal	15002879
CIE _{Lab}	93.32, 0.94, -10.06
CIE _{LCh}	93, 10.108, 275.354
Yxy	83.7056, 0.2961, 0.3097
Android (android.graphics.Color)	4293192959 (0xFFE4ECFF)
YUV	235.7740, 9.4784, -6.8178
Hunter-Lab	91.4908, -3.9526, -4.9949

Details

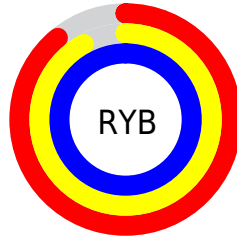
The YIQ color $235.7740, -10.8670, 4.2130$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $247.2260, 10.8670, -4.2130$, and the grayscale version is $236.0000, 0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $179.6600, -10.5460, 3.9020$ is the 20% darker color. If you saturate the color by 10%, you get $217.7330, -20.8170, 8.3270$, and if you desaturate by 10%, it is $253.8150, -0.9170, 0.0990$.

Distribution



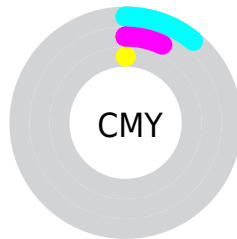
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 235.7740, -10.8670, 4.2130 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 235.7740, -10.8670, 4.2130 by changing the saturation by 10% instead.

■ 235.7740,
-10.8670, 4.2130

■ 235.7740,
-10.8670, 4.2130

255.0000, -0.0000,
-0.0000

■ 207.6600,
-10.5460, 3.9020

■ 179.6600,
-10.5460, 3.9020

■ 152.9590, -9.9500,
4.1140

■ 127.4320, -9.9040,
3.2800

■ 102.4320, -9.9040,
3.2800

■ 78.3180, -9.5830,
2.9690

■ 55.2040, -9.2620,

2.6580

■ 33.5030, -8.6660,
2.8700

■ 11.0190, -10.1790,
2.7570

■ 235.7740,
-10.8670, 4.2130

■ 235.7740,
-10.8670, 4.2130

■ 217.7330,
-20.8170, 8.3270

■ 253.8150, -0.9170,
0.0990

■ 199.3930,
-31.3630, 12.2290

■ 255.0000, -0.0000,
-0.0000

■ 181.3520,
-41.3130, 16.3430

■ 163.0120,
-51.8590, 20.2450

■ 144.9710,
-61.8090, 24.3590

■ 126.6310,
-72.3550, 28.2610

■ 108.5900,
-82.3050, 32.3750

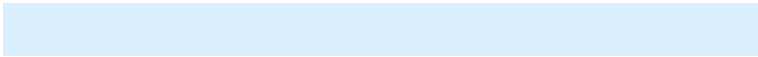
■ 90.8370, -93.1260,
35.7540

■ 73.6820,
-102.7550, 39.5570

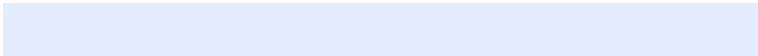
Harmonies

Analogous

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



234.3170, -17.0100, -0.0980



235.7740, -10.8670, 4.2130



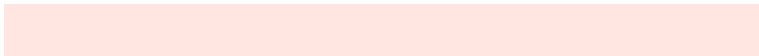
237.2590, -1.9270, 7.3930

Triad

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



235.7740, -10.8670, 4.2130



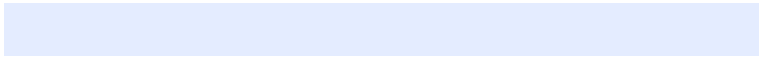
236.9050, 16.5050, 3.7450



233.1250, -8.0220, -8.8060

Complementary

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



235.7740, -10.8670, 4.2130



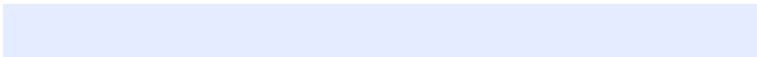
247.2260, 10.8670, -4.2130

Split Complementary

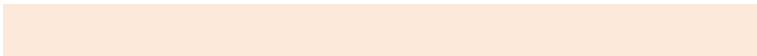
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



234.4420, 1.3310, -7.6050



235.7740, -10.8670, 4.2130



236.9710, 16.1390, -0.6370

Square

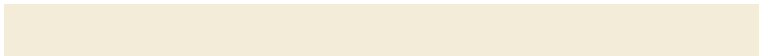
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



235.7740, -10.8670, 4.2130



237.3440, 13.8910, 7.0670



235.6280, 9.6750, -4.6370



232.7590, -15.6790, -7.7030

Rectangle

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



235.7740, -10.8670, 4.2130



237.6080, 4.4000, 8.3680



235.6280, 9.6750, -4.6370



233.3920, -4.4000, -8.3680

Sweetspot

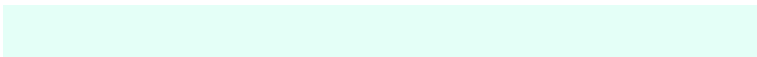
The Sweet Spot groups the original color and five complimentary colors.



235.7740, -10.8670, 4.2130



249.6730, -3.3930, 0.9190



246.0150, -13.5240, -8.2120



123.8580, -2.4760, 0.8200



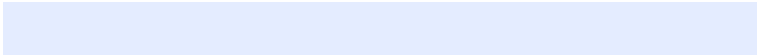
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



235.7740, -10.8670, 4.2130



231.6320, -13.3430, 5.0330



232.5730, -5.6870, 9.4570



118.8300, -5.2730, 1.9510



55.2330, -76.9860, 29.5900



18.4490, -25.7690, 9.9670

Inverse Universe

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



236.9850, 13.5240, 8.2120



233.0070, 16.4580, 10.1060



250.4270, 5.6870, -9.4570



119.3430, 6.4640, 4.0000



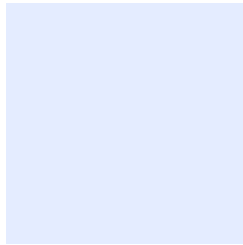
63.6070, 95.5390, 58.2190



21.3020, 32.0450, 19.4770

Previews

White Background



This preview shows how the YIQ color 235.7740, -10.8670, 4.2130 looks on a white background.

Color Contrast Check

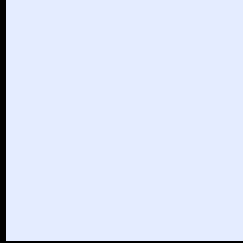
Large Text (above 18pt) WCAG AA × Fail

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 235.7740, -10.8670, 4.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

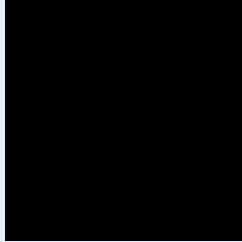
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

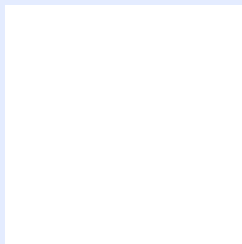
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 235.7740, -10.8670, 4.2130

Background



This preview shows how black text looks on a background with the YIQ color 235.7740, -10.8670, 4.2130.



This preview shows how white text looks on a background with the YIQ color 235.7740, -10.8670,

4.2130.

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

235.7740, -10.8670, 4.2130

Protanopia

236.5790, -5.8240, 6.4320

Deuteranopia

238.2320, 2.7030, 11.5910



Tritanopia

235.7740, -10.8670, 4.2130

Trichromacy



Original Color

235.7740, -10.8670, 4.2130

Protanomaly

236.2690, -7.8870, 5.2730

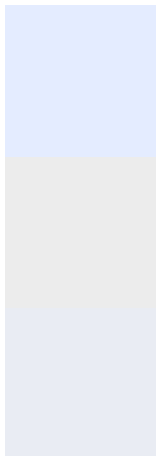
Deuteranomaly

237.3130, -2.0190, 9.0610

Tritanomaly

235.7740, -10.8670, 4.2130

Monochromacy



Original Color

235.7740, -10.8670, 4.2130

Achromatopsia

236.0000, 0.0000, -0.0000

Achromatomaly

235.9010, -4.0350, 1.5410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 235.7740, -10.8670, 4.2130 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(228, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 255)  
}
```

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(228, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 255) }
```

Border

The CSS property to change the border of an element to YIQ 235.7740, -10.8670, 4.2130 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(228, 236, 255) }
```


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

```
.border{ border-color:rgb(228, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 235.7740, -10.8670, 4.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 255) }
```

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

```
.background{ background-color: rgb(228,  
236, 255) }
```

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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