

Converting Colors

YIQ(230.9690, -15.9100, 1.9940)

Have a look what the booklet for
YIQ(230.9690, -15.9100, 1.9940)
contains.

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Color

**YIQ(230.9690, -15.9100,
1.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EAFC
RGB	217, 234, 252
RGB Percent	85%, 92%, 99%
CMY	0.1490, 0.0823, 0.0118
CMYK	0.14, 0.07, 0.00, 0.01
HSL	211°, 85%, 92%
HSV	211°, 14%, 99%
XYZ	75.6055, 80.6273, 103.6569
YIQ	230.9690, -15.9100, 1.9940

Conversions

Conversions Part 2

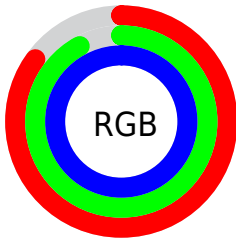
Format	Color
R _Y B	217, 228, 252
Decimal	14281468
CIE Lab	91.97, -2.09, -10.60
CIE LCh	92, 10.804, 258.841
Yxy	80.6273, 0.2909, 0.3102
Android (android.graphics.Color)	4292471548 (0xFFD9EAFD)
YUV	230.9690, 10.3683, -12.2508
Hunter-Lab	89.7927, -6.8402, -5.5896

Details

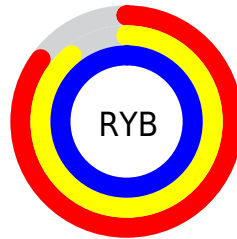
The YIQ color $230.9690, -15.9100, 1.9940$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $238.0310, 15.9100, -1.9940$, and the grayscale version is $231.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $175.1540, -14.9930, 1.8950$ is the 20% darker color. If you saturate the color by 10%, you get $215.8630, -27.2350, 3.4930$, and if you desaturate by 10%, it is $246.0750, -4.5850, 0.4950$.

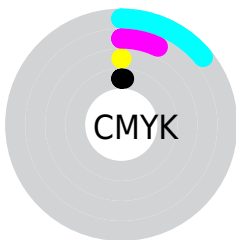
Distribution



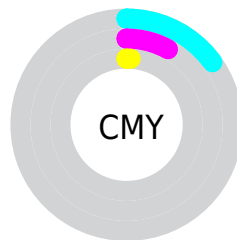
- Red (85%)
- Green (92%)
- Blue (99%)



- Red (85%)
- Yellow (89%)
- Blue (99%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 230.9690, -15.9100, 1.9940 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 230.9690, -15.9100, 1.9940 by changing the saturation by 10% instead.

■ 230.9690,
-15.9100, 1.9940

■ 230.9690,
-15.9100, 1.9940

255.0000, -0.0000,
-0.0000

■ 202.8550,
-15.5890, 1.6830

■ 175.1540,
-14.9930, 1.8950

■ 148.7410,
-15.2680, 1.3720

■ 123.0400,
-14.6720, 1.5840

■ 97.9260, -14.3510,
1.2730

■ 74.2250, -13.7550,
1.4850

■ 51.1110, -13.4340,

1.1740

■ 29.6980, -13.7090,
0.6510

■ 8.7200, -10.7750,
2.5450

■ 230.9690,
-15.9100, 1.9940

■ 230.9690,
-15.9100, 1.9940

■ 215.8630,
-27.2350, 3.4930

■ 246.0750, -4.5850,
0.4950

■ 200.7570,
-38.5600, 4.9920

254.6580, 0.9630,
-0.9330

■ 185.3520,
-50.4810, 6.2790

■ 170.2460,
-61.8060, 7.7780

■ 155.1400,
-73.1310, 9.2770

■ 140.0340,
-84.4560, 10.7760

■ 124.9280,
-95.7810, 12.2750

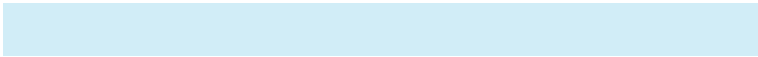
■ 109.5230,
-107.7020, 13.5620

■ 100.9290,
-114.7170, 14.0430

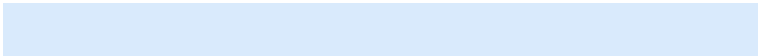
Harmonies

Analogous

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



229.7680, -19.8980, -2.8260



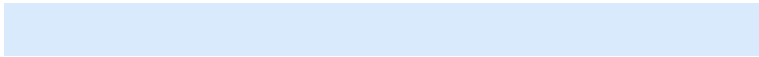
230.9690, -15.9100, 1.9940



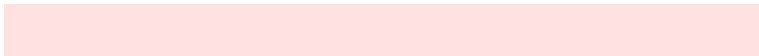
232.6820, -7.6120, 5.7960

Triad

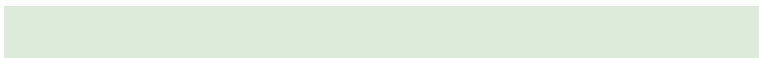
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230.9690, -15.9100, 1.9940



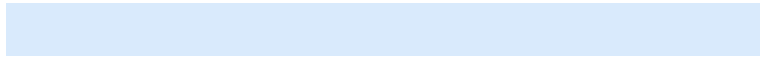
234.0840, 17.5590, 6.6710



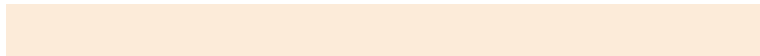
229.4630, -3.1620, -8.7780

Complementary

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



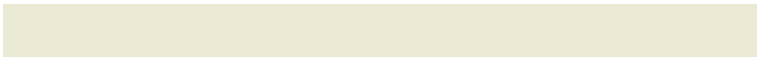
230.9690, -15.9100, 1.9940



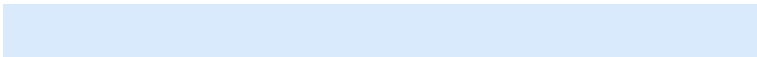
238.0310, 15.9100, -1.9940

Split Complementary

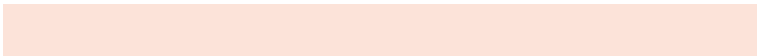
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230.9050, 7.3370, -6.3190



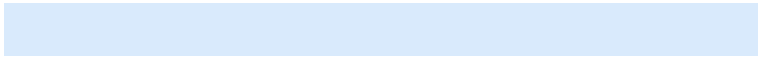
230.9690, -15.9100, 1.9940



233.3350, 18.1100, 2.1900

Square

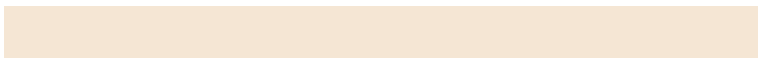
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



230.9690, -15.9100, 1.9940



234.0280, 11.9650, 8.9330



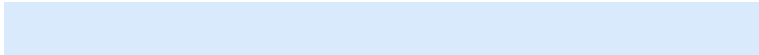
232.4330, 14.7180, -2.4180



229.0860, -12.2860, -8.6220

Rectangle

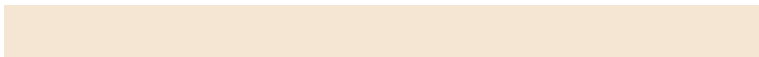
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



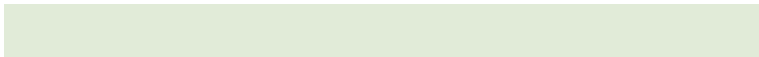
230.9690, -15.9100, 1.9940



233.2700, -0.4600, 8.3400



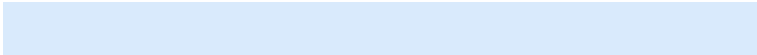
232.4330, 14.7180, -2.4180



229.8440, 0.1390, -8.0290

Sweetspot

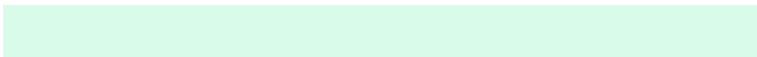
The Sweet Spot groups the original color and five complimentary colors.



230.9690, -15.9100, 1.9940



249.0750, -4.5850, 0.4950



239.4830, -15.0820, -13.0180



123.5590, -3.0720, 0.6080



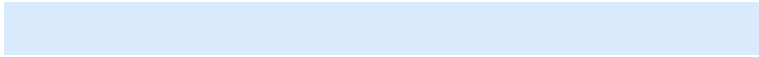
0.0000, 0.0000, 0.0000



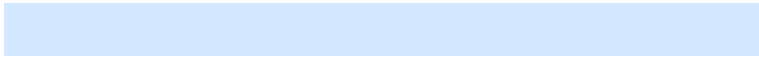
128.0000, -0.0000, -0.0000

Same Dimension

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



230.9690, -15.9100, 1.9940



229.2290, -19.5780, 2.3900



220.9900, -11.2350, 10.8850



117.5910, -6.0980, 0.3820



75.5500, -85.9690, 10.6630



24.5640, -27.8310, 3.2810

Inverse Universe

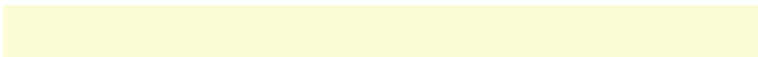
The Inverse Universe completely reimagines the original color for something new.



229.4030, 15.4030, 12.7070



227.2510, 18.8870, 15.6470



248.0100, 11.2350, -10.8850



116.6850, 5.5010, 4.9330



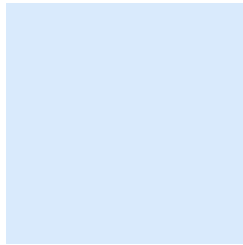
66.9990, 83.1120, 68.6800



21.6590, 26.7260, 22.2620

Previews

White Background



This preview shows how the YIQ color 230.9690, -15.9100, 1.9940 looks on a white background.

Color Contrast Check

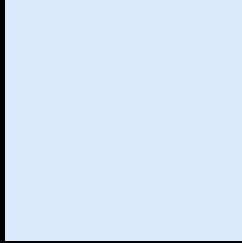
Large Text (above 18pt) WCAG AA × Fail

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 230.9690, -15.9100, 1.9940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

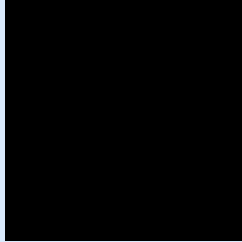
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

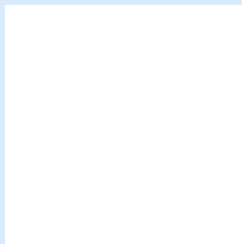
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 230.9690, -15.9100, 1.9940

Background



This preview shows how black text looks on a background with the YIQ color 230.9690, -15.9100, 1.9940.



This preview shows how white text looks on a background with the YIQ color 230.9690, -15.9100,

1.9940.

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

230.9690, -15.9100, 1.9940

Protanopia

232.5790, -5.8240, 6.4320

Deuteranopia

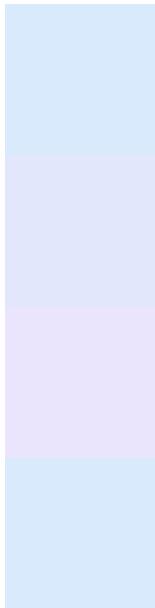
233.9870, 2.0150, 13.0470



Tritanopia

231.0830, -16.2310, 2.3050

Trichromacy



Original Color

230.9690, -15.9100, 1.9940

Protanomaly

231.7850, -9.4000, 5.1600

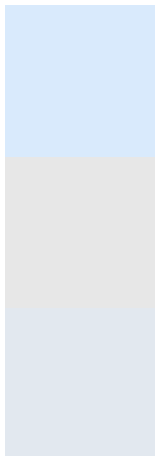
Deuteranomaly

232.6440, -4.4490, 9.0470

Tritanomaly

231.0830, -16.2310, 2.3050

Monochromacy



Original Color

230.9690, -15.9100, 1.9940

Achromatopsia

231.0000, -0.0000, -0.0000

Achromatomaly

231.0040, -5.8230, 0.9050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 230.9690, -15.9100, 1.9940 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(217, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 252)  
}
```

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(217, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 252) }
```

Border

The CSS property to change the border of an element to YIQ 230.9690, -15.9100, 1.9940 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(217, 234, 252) }
```


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

```
.border{ border-color:rgb(217, 234, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 234, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
252) }
```

Background

The CSS property to change the background color of an element to YIQ 230.9690, -15.9100, 1.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 252) }
```

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

```
.background{ background-color: rgb(217,  
234, 252) }
```

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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