

Converting Colors

YIQ(233.8990, -9.7210, 5.4710)

Have a look what the booklet for
YIQ(233.8990, -9.7210, 5.4710)
contains.

YIQ(233.8990, -9.7210, 5.4710)	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(233.8990, -9.7210,
5.4710)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E9FE
RGB	228, 233, 254
RGB Percent	89%, 91%, 100%
CMY	0.1059, 0.0862, 0.0040
CMYK	0.10, 0.08, 0.00, 0.00
HSL	228°, 93%, 95%
HSV	228°, 10%, 100%
XYZ	79.0217, 81.9279, 105.4030
YIQ	233.8990, -9.7210, 5.4710

Conversions

Conversions Part 2

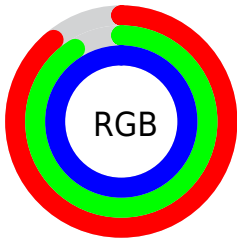
Format	Color
R _Y B	228, 232, 254
Decimal	15002110
CIE Lab	92.54, 2.30, -10.70
CIE LCh	93, 10.946, 282.103
Yxy	81.9279, 0.2967, 0.3076
Android (android.graphics.Color)	4293192190 (0xFFE4E9FE)
YUV	233.8990, 9.9098, -5.1734
Hunter-Lab	90.5141, -2.5634, -5.6829

Details

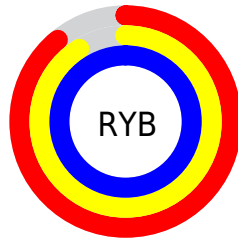
The YIQ color **233.8990, -9.7210, 5.4710** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **248.1010, 9.7210, -5.4710**, and the grayscale version is **234.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **255.0000, -0.0000, -0.0000**, and **177.7850, -9.4000, 5.1600** is the 20% darker color. If you saturate the color by 10%, you get **214.6840, -19.1210, 10.6310**, and if you desaturate by 10%, it is **253.7010, -0.5960, -0.2120**.

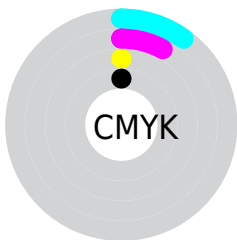
Distribution



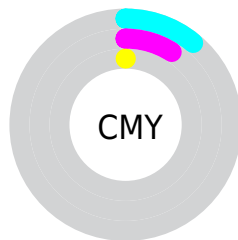
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 233.8990, -9.7210, 5.4710 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 233.8990, -9.7210, 5.4710 by changing the saturation by 10% instead.

■ 233.8990, -9.7210,
5.4710

■ 233.8990, -9.7210,
5.4710

255.0000, -0.0000,
-0.0000

■ 205.7850, -9.4000,
5.1600

■ 177.7850, -9.4000,
5.1600

■ 151.6710, -9.0790,
4.8490

■ 125.6710, -9.0790,
4.8490

■ 100.5570, -8.7580,
4.5380

■ 76.4430, -8.4370,
4.2270

■ 53.7420, -7.8410,

4.4390

■ 32.2150, -7.7950,
3.6050

■ 9.2580, -9.3540,
4.3260

■ 233.8990, -9.7210,
5.4710

■ 233.8990, -9.7210,
5.4710

■ 214.6840,
-19.1210, 10.6310

■ 253.7010, -0.5960,
-0.2120

■ 194.5830,
-28.8420, 16.1020

■ 254.8860, 0.3210,
-0.3110

■ 174.7810,
-37.9670, 21.7850

■ 155.2670,
-47.9630, 26.7330

■ 135.4650,
-57.0880, 32.4160

■ 116.2500,
-66.4880, 37.5760

■ 96.1490, -76.2090,
43.0470

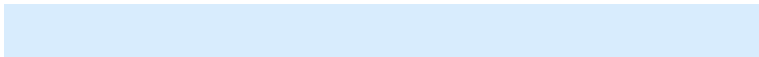
■ 76.9340, -85.6090,
48.2070

■ 57.7190, -95.0090,
53.3670

Harmonies

Analogous

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



231.9580, -17.3770, 1.0470



233.8990, -9.7210, 5.4710



235.4550, 0.4570, 8.2410

Triad

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



233.8990, -9.7210, 5.4710



235.1610, 18.6600, 3.2360



230.4560, -10.4520, -8.8200

Complementary

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



233.8990, -9.7210, 5.4710



248.1010, 9.7210, -5.4710

Split Complementary

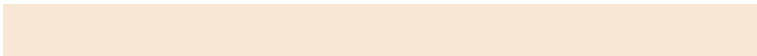
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



231.5450, -0.4570, -8.2410



233.8990, -9.7210, 5.4710



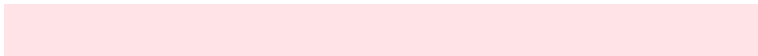
234.4440, 16.1850, -1.4710

Square

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



233.8990, -9.7210, 5.4710



235.7140, 15.7250, 6.8690



232.8020, 9.1250, -5.6830



230.2040, -18.4300, -7.4060

Rectangle

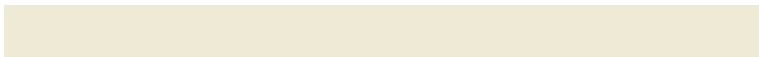
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



233.8990, -9.7210, 5.4710



235.8040, 6.7840, 9.2160



232.8020, 9.1250, -5.6830



230.8970, -7.3800, -9.4280

Sweetspot

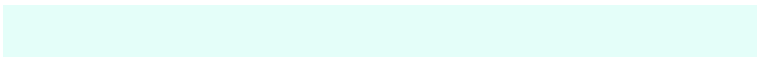
The Sweet Spot groups the original color and five complimentary colors.



233.8990, -9.7210, 5.4710



249.0860, -3.1180, 1.4420



245.6560, -13.8910, -7.0670



123.2710, -2.2010, 1.3430



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.



233.8990, -9.7210, 5.4710



231.0560, -11.6010, 6.5030



233.3560, -3.5780, 9.7820



117.6560, -4.7230, 2.9970



43.4930, -71.4860, 40.0500



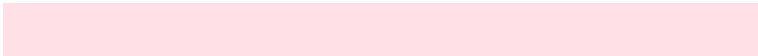
14.3400, -23.8440, 13.6280

Inverse Universe

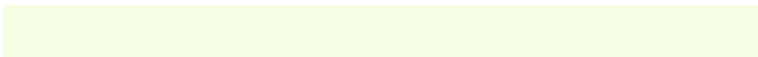
The Inverse Universe completely reimagines the original color for something new.



236.3440, 13.8910, 7.0670



233.9530, 16.5500, 8.4380



248.6440, 3.5780, -9.7820



119.1150, 7.1060, 3.3780



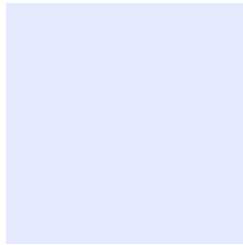
61.3270, 101.9590, 51.9990



20.5040, 34.2920, 17.3000

Previews

White Background



This preview shows how the YIQ color 233.8990, -9.7210, 5.4710 looks on a white background.

Color Contrast Check

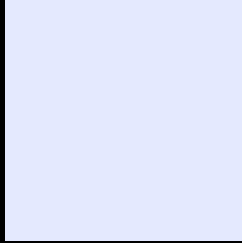
Large Text (above 18pt) WCAG AA × Fail

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 233.8990, -9.7210, 5.4710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

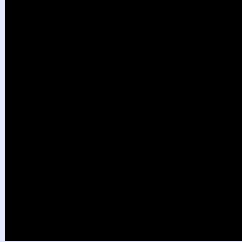
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 233.8990, -9.7210, 5.4710

Background



This preview shows how black text looks on a background with the YIQ color 233.8990, -9.7210, 5.4710.



This preview shows how white text looks on a background with the YIQ color 233.8990, -9.7210,

5.4710.

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

233.8990, -9.7210, 5.4710

Protanopia

234.3940, -6.7410, 6.5310

Deuteranopia

235.8730, 2.3360, 12.7360



Tritanopia

233.6710, -9.0790, 4.8490

Trichromacy



Original Color

233.8990, -9.7210, 5.4710

Protanomaly

234.0950, -7.3370, 6.3190

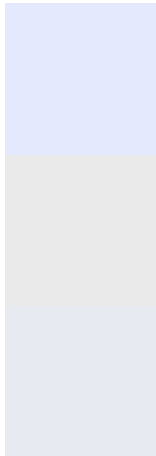
Deuteranomaly

234.9540, -2.3860, 10.2060

Tritanomaly

233.7850, -9.4000, 5.1600

Monochromacy



Original Color

233.8990, -9.7210, 5.4710

Achromatopsia

234.0000, -0.0000, 0.0000

Achromatomaly

234.2000, -3.4390, 1.7530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 233.8990, -9.7210, 5.4710 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, 233, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 254)  
}
```

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, 233, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 254) }
```

Border

The CSS property to change the border of an element to YIQ 233.8990, -9.7210, 5.4710 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, 233, 254) }
```


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

```
.border{ border-color:rgb(228, 233, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 233, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
254) }
```

Background

The CSS property to change the background color of an element to YIQ 233.8990, -9.7210, 5.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 254) }
```

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

```
.background{ background-color: rgb(228,  
233, 254) }
```

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