

# Converting Colors

YIQ(237.5570, -8.7580, 4.5380)

Have a look what the booklet for  
YIQ(237.5570, -8.7580, 4.5380)  
contains.

<b>YIQ(237.5570, -8.7580, 4.5380)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(237.5570, -8.7580,  
4.5380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EDFF
RGB	232, 237, 255
RGB Percent	91%, 93%, 100%
CMY	0.0902, 0.0706, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	227°, 100%, 95%
HSV	227°, 9%, 100%
XYZ	81.6115, 84.9446, 106.6918
YIQ	237.5570, -8.7580, 4.5380

# Conversions

## Conversions Part 2

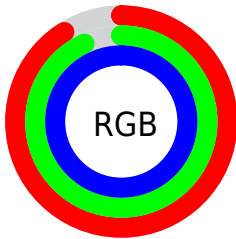
Format	Color
R <sub>Y</sub> B	232, 236, 255
Decimal	15265279
CIE Lab	93.86, 1.70, -9.24
CIE LCh	94, 9.392, 280.446
Yxy	84.9446, 0.2987, 0.3109
Android (android.graphics.Color)	4293455359 (0xFFE8EDFF)
YUV	237.5570, 8.5994, -4.8735
Hunter-Lab	92.1654, -3.2296, -4.1191

# Details

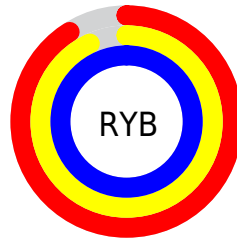
The YIQ color  $237.5570, -8.7580, 4.5380$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $249.4430, 8.7580, -4.5380$ , and the grayscale version is  $237.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $181.4430, -8.4370, 4.2270$  is the 20% darker color. If you saturate the color by 10%, you get  $218.3420, -18.1580, 9.6980$ , and if you desaturate by 10%, it is  $255.0000, -0.0000, -0.0000$ .

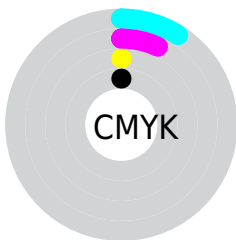
# Distribution



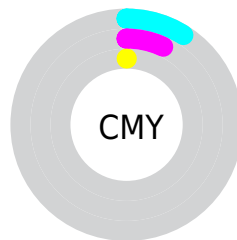
- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 237.5570, -8.7580, 4.5380 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 237.5570, -8.7580, 4.5380 by changing the saturation by 10% instead.



■ 237.5570, -8.7580,  
4.5380

■ 237.5570, -8.7580,  
4.5380

255.0000, -0.0000,  
-0.0000

■ 209.4430, -8.4370,  
4.2270

■ 181.4430, -8.4370,  
4.2270

■ 154.7420, -7.8410,  
4.4390

■ 128.6280, -7.5200,  
4.1280

■ 103.6280, -7.5200,  
4.1280

■ 79.5140, -7.1990,  
3.8170

■ 56.9870, -7.1530,

2.9830

■ 34.9870, -7.1530,  
2.9830

■ 13.1010, -7.4740,  
3.2940

■ 237.5570, -8.7580,  
4.5380

■ 237.5570, -8.7580,  
4.5380

■ 218.3420,  
-18.1580, 9.6980

255.0000, -0.0000,  
-0.0000

■ 198.8280,  
-28.1540, 14.6460

■ 179.6130,  
-37.5540, 19.8060

■ 160.0990,  
-47.5500, 24.7540

■ 140.8840,  
-56.9500, 29.9140

■ 121.3700,  
-66.9460, 34.8620

■ 102.1550,  
-76.3460, 40.0220

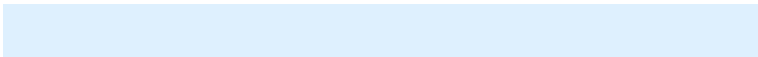
■ 82.6410, -86.3420,  
44.9700

■ 63.4260, -95.7420,  
50.1300

# Harmonies

## Analogous

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



236.2140, -15.2220, 0.5380



237.5570, -8.7580, 4.5380



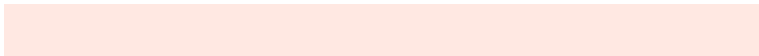
238.6290, -0.0930, 7.1950

# Triad

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



237.5570, -8.7580, 4.5380



238.1930, 15.6340, 3.0100



234.7660, -8.3890, -7.6610

# Complementary

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



237.5570, -8.7580, 4.5380



249.4430, 8.7580, -4.5380

# Split Complementary

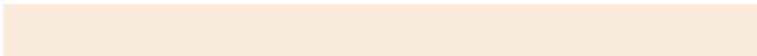
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235.3710, 0.0930, -7.1950



237.5570, -8.7580, 4.5380



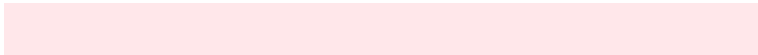
238.1880, 14.0300, -0.9620

# Square

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



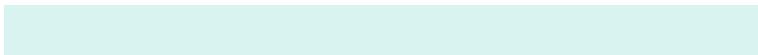
237.5570, -8.7580, 4.5380



238.5180, 13.3410, 6.0210



237.1440, 8.1620, -4.7500



234.5850, -15.1290, -6.6570



# Rectangle

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



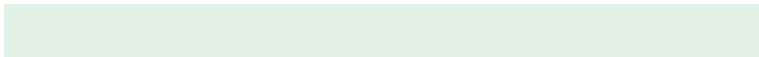
237.5570, -8.7580, 4.5380



239.5650, 5.9590, 7.6470



237.1440, 8.1620, -4.7500



235.3210, -5.6380, -7.9580

# Sweetspot

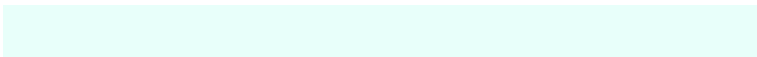
The Sweet Spot groups the original color and five complimentary colors.



237.5570, -8.7580, 4.5380



249.0860, -3.1180, 1.4420



247.5530, -12.1030, -6.4310



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.



237.5570, -8.7580, 4.5380



233.7140, -10.6380, 5.5700



236.4160, -3.8070, 8.4250



118.2430, -4.9980, 2.4740



46.4280, -72.8610, 37.4350



15.5140, -24.3940, 12.5820

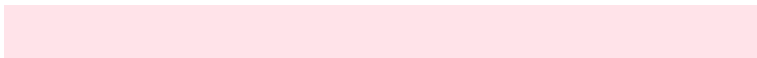


# Inverse Universe

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



239.4470, 12.1030, 6.4310



236.0560, 14.7620, 7.8020



250.5840, 3.8070, -8.4250



119.2290, 6.7850, 3.6890



61.8970, 100.3540, 53.5540

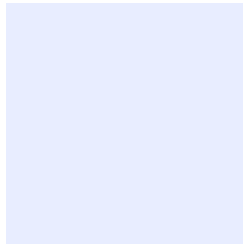


20.7320, 33.6500, 17.9220



# Previews

## White Background



This preview shows how the YIQ color 237.5570, -8.7580, 4.5380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

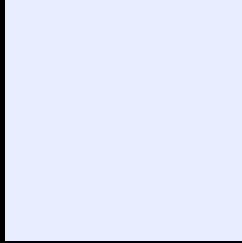
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 237.5570, -8.7580, 4.5380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

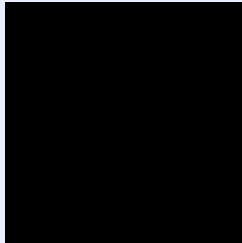
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 237.5570, -8.7580, 4.5380**

## **Background**



This preview shows how black text looks on a background with the YIQ color 237.5570, -8.7580, 4.5380.



This preview shows how white text looks on a background with the YIQ color 237.5570, -8.7580,

4.5380.

# 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

237.5570, -8.7580, 4.5380

### Protanopia

238.0520, -5.7780, 5.5980

### Deuteranopia

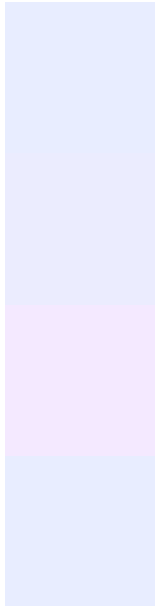
239.7160, 4.2160, 11.7040



## Tritanopia

237.5570, -8.7580, 4.5380

# Trichromacy



## Original Color

237.5570, -8.7580, 4.5380

## Protanomaly

237.7530, -6.3740, 5.3860

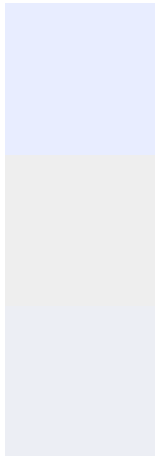
## Deuteranomaly

238.7970, -0.5060, 9.1740

## Tritanomaly

237.5570, -8.7580, 4.5380

# Monochromacy



## Original Color

237.5570, -8.7580, 4.5380

## Achromatopsia

238.0000, -0.0000, 0.0000

## Achromatomaly

238.0860, -3.1180, 1.4420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 237.5570, -8.7580, 4.5380 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(232, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 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(232, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 237.5570, -8.7580, 4.5380 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(232, 237, 255) }
```



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

```
.border{ border-color:rgb(232, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 237.5570, -8.7580, 4.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 255) }
```

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

```
.background{ background-color: rgb(232,  
237, 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](#).

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