

# Converting Colors

YIQ(227.8300, -5.2730, 1.9510)

Have a look what the booklet for  
YIQ(227.8300, -5.2730, 1.9510)  
contains.

<b>YIQ(227.8300, -5.2730, 1.9510)</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(227.8300, -5.2730,  
1.9510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E4ED
RGB	224, 228, 237
RGB Percent	88%, 89%, 93%
CMY	0.1216, 0.1059, 0.0706
CMYK	0.05, 0.04, 0.00, 0.07
HSL	222°, 27%, 90%
HSV	222°, 5%, 93%
XYZ	73.7691, 77.4489, 91.1764
YIQ	227.8300, -5.2730, 1.9510

# Conversions

## Conversions Part 2

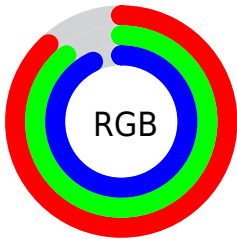
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	224, 227, 237
Decimal	14738669
CIE Lab	90.53, 0.32, -4.84
CIE LCh	91, 4.854, 273.834
Yxy	77.4489, 0.3043, 0.3195
Android (android.graphics.Color)	4292928749 (0xFFE0E4ED)
YUV	227.8300, 4.5208, -3.3589
Hunter-Lab	88.0050, -4.3836, 0.1770

# Details

The YIQ color  $227.8300, -5.2730, 1.9510$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $233.1700, 5.2730, -1.9510$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $172.7160, -4.9520, 1.6400$  is the 20% darker color. If you saturate the color by 10%, you get  $211.2620, -15.1770, 5.2310$ , and if you desaturate by 10%, it is  $244.3980, 4.6310, -1.3290$ .

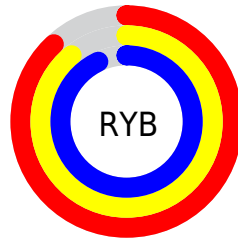
# Distribution



Red (88%)

Green (89%)

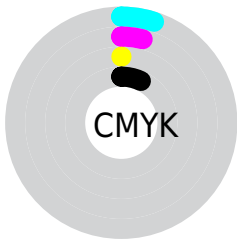
Blue (93%)



Red (88%)

Yellow (89%)

Blue (93%)

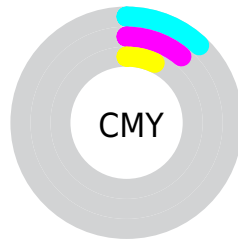


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (11%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.8300, -5.2730, 1.9510 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 227.8300, -5.2730, 1.9510 by changing the saturation by 10% instead.



■ 227.8300, -5.2730,  
1.9510

■ 227.8300, -5.2730,  
1.9510

255.0000, -0.0000,  
-0.0000

■ 199.8300, -5.2730,  
1.9510

■ 172.7160, -4.9520,  
1.6400

■ 145.7160, -4.9520,  
1.6400

■ 120.0150, -4.3560,  
1.8520

■ 95.6020, -4.6310,  
1.3290

■ 71.9010, -4.0350,  
1.5410

■ 49.4880, -4.3100,

1.0180

■ 28.4880, -4.3100,  
1.0180

■ 2.6560, -4.7230,  
2.9970

■ 227.8300, -5.2730,  
1.9510

■ 227.8300, -5.2730,  
1.9510

■ 211.2620,  
-15.1770, 5.2310

■ 244.3980, 4.6310,  
-1.3290

■ 194.4060,  
-24.2100, 9.2460

■ 252.9480, 5.7780,  
-5.5980

■ 177.8380,  
-34.1140, 12.5260

■ 160.6830,  
-43.7430, 16.3290

■ 144.4140,  
-53.0510, 19.8210

■ 127.8460,  
-62.9550, 23.1010

■ 110.6910,  
-72.5840, 26.9040

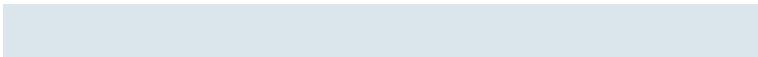
■ 94.1230, -82.4880,  
30.1840

■ 77.2670, -91.5210,  
34.1990

# Harmonies

## Analogous

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



226.8080, -8.2070, 0.0570



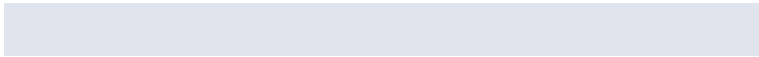
227.8300, -5.2730, 1.9510



228.3360, -0.8260, 3.9580

# Triad

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



227.8300, -5.2730, 1.9510



228.6590, 8.3900, 2.1340



226.6250, -3.4380, -3.7740

# Complementary

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



227.8300, -5.2730, 1.9510



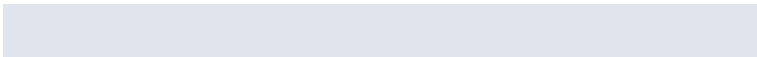
233.1700, 5.2730, -1.9510

# Split Complementary

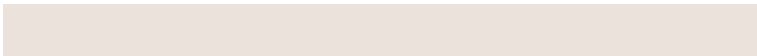
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



227.0770, 1.1010, -3.4350



227.8300, -5.2730, 1.9510



228.3060, 7.8860, 0.2540

# Square

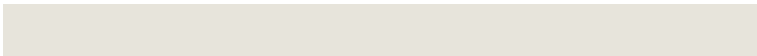
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



227.8300, -5.2730, 1.9510



229.1150, 7.1060, 3.3780



227.8710, 4.6770, -2.1630

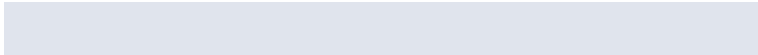


226.7710, -6.7850, -3.6890



# Rectangle

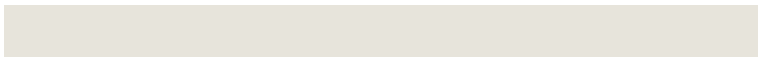
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



227.8300, -5.2730, 1.9510



228.8910, 1.9250, 3.6610



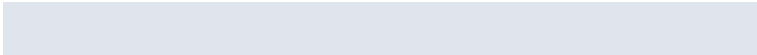
227.8710, 4.6770, -2.1630



226.6960, -2.2000, -4.1840

# Sweetspot

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



227.8300, -5.2730, 1.9510



251.1570, -1.8800, 1.0320



232.6570, -6.4640, -4.0000



125.9290, -1.2380, 0.4100



0.0000, 0.0000, 0.0000

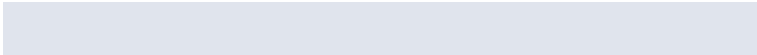


128.0000, -0.0000, -0.0000

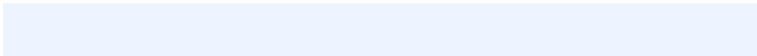


# Same Dimension

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



227.8300, -5.2730, 1.9510



242.5740, -7.4280, 2.4600



226.0800, -2.9810, 4.4670



110.7870, -3.7140, 1.2300



53.5060, -73.5010, 27.0030



16.1350, -22.0090, 7.9030



# Inverse Universe

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



228.3430, 6.4640, 4.0000



243.0660, 8.8020, 5.6820



234.9200, 2.9810, -4.4670



111.0330, 4.4010, 2.8410



60.5030, 89.9000, 55.7880

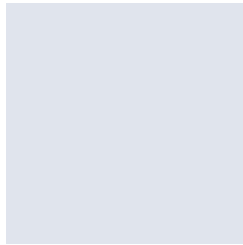


18.0840, 26.7270, 16.7350



# Previews

## White Background



This preview shows how the YIQ color 227.8300, -5.2730, 1.9510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

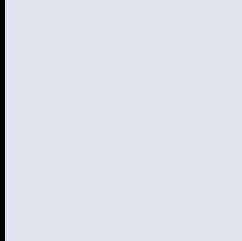
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.8300, -5.2730, 1.9510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

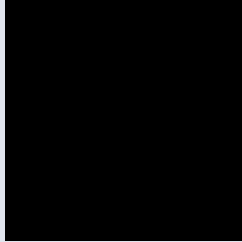
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

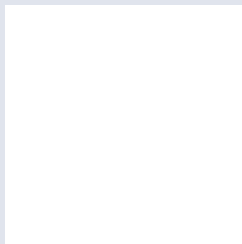
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 227.8300, -5.2730, 1.9510**

## **Background**



This preview shows how black text looks on a background with the YIQ color 227.8300, -5.2730, 1.9510.



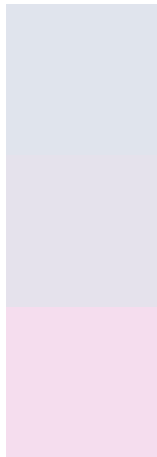
This preview shows how white text looks on a background with the YIQ color 227.8300, -5.2730,

1.9510.

# 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

227.8300, -5.2730, 1.9510

### Protanopia

228.0370, -1.4220, 3.7460

### Deuteranopia

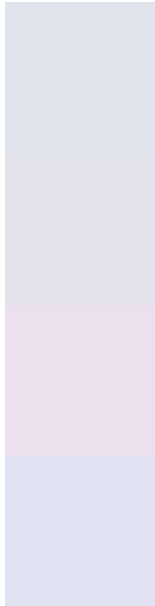
230.1140, 8.8470, 10.3750



## Tritanopia

228.4540, -6.9700, 5.1740

# Trichromacy



## Original Color

227.8300, -5.2730, 1.9510

## Protanomaly

228.0260, -2.8890, 2.7990

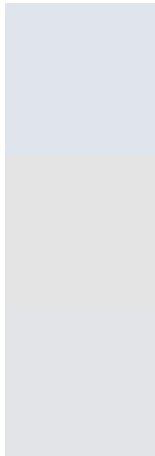
## Deuteranomaly

229.4830, 3.2540, 7.1100

## Tritanomaly

228.1120, -6.0070, 4.2410

# Monochromacy



## Original Color

227.8300, -5.2730, 1.9510

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.0430, -1.5590, 0.7210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.8300, -5.2730, 1.9510 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(224, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 237)  
}
```

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(224, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 237) }
```

## Border

The CSS property to change the border of an element to YIQ 227.8300, -5.2730, 1.9510 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(224, 228, 237) }
```



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

```
.border{ border-color:rgb(224, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
237) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.8300, -5.2730, 1.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 237) }
```

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

```
.background{ background-color: rgb(224,  
228, 237) }
```

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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