

# Converting Colors

YIQ(228.3490, -20.0360,  
-0.3240)

Have a look what the booklet for  
YIQ(228.3490, -20.0360, -0.3240)  
contains.

<b>YIQ(228.3490, -20.0360, -0.3240)</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(228.3490, -20.0360,  
-0.3240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1EAFA
RGB	209, 234, 250
RGB Percent	82%, 92%, 98%
CMY	0.1804, 0.0823, 0.0197
CMYK	0.16, 0.06, 0.00, 0.02
HSL	203°, 80%, 90%
HSV	203°, 16%, 98%
XYZ	72.9684, 79.3058, 101.8849
YIQ	228.3490, -20.0360, -0.3240

# Conversions

## Conversions Part 2

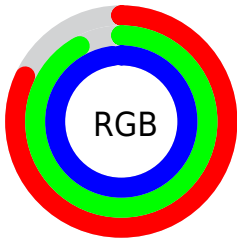
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 225, 250
Decimal	13757178
CIE Lab	91.37, -4.98, -10.50
CIE LCh	91, 11.619, 244.595
Yxy	79.3058, 0.2871, 0.3120
Android (android.graphics.Color)	4291947258 (0xFFD1EAFA)
YUV	228.3490, 10.6739, -16.9691
Hunter-Lab	89.0538, -9.5858, -5.4950

# Details

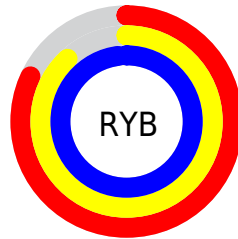
The YIQ color  $228.3490, -20.0360, -0.3240$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $230.6510, 20.0360, 0.3240$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $172.6480, -19.4400, -0.1120$  is the 20% darker color. If you saturate the color by 10%, you get  $215.0040, -32.1860, -0.3940$ , and if you desaturate by 10%, it is  $241.6940, -7.8860, -0.2540$ .

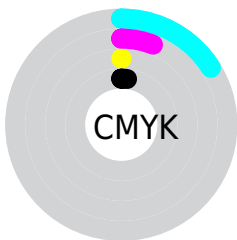
# Distribution



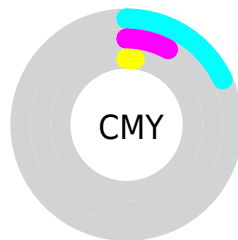
- Red (82%)
- Green (92%)
- Blue (98%)



- Red (82%)
- Yellow (88%)
- Blue (98%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (8%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.3490, -20.0360, -0.3240 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 228.3490, -20.0360, -0.3240 by changing the saturation by 10% instead.



■ 228.3490,  
-20.0360, -0.3240

■ 228.3490,  
-20.0360, -0.3240

255.0000, -0.0000,  
-0.0000

■ 200.2350,  
-19.7150, -0.6350

■ 172.6480,  
-19.4400, -0.1120

■ 146.4200,  
-18.7980, -0.7340

■ 120.4200,  
-18.7980, -0.7340

■ 95.6050, -17.8810,  
-0.8330

■ 71.6050, -17.8810,  
-0.8330

■ 48.6050, -17.8810,

-0.8330

■ 26.7790, -18.4310,  
-1.8790

■ 8.6060, -10.4540,  
2.2340

■ 228.3490,  
-20.0360, -0.3240

■ 228.3490,  
-20.0360, -0.3240

■ 215.0040,  
-32.1860, -0.3940

■ 241.6940, -7.8860,  
-0.2540

■ 202.2460,  
-44.6110, -0.9870

■ 253.2560, 2.1550,  
-0.5090

■ 188.9010,  
-56.7610, -1.0570

■ 254.4300, 1.6050,  
-1.5550

■ 175.5560,  
-68.9110, -1.1270

■ 162.2110,  
-81.0610, -1.1970

■ 149.4530,  
-93.4860, -1.7900

■ 136.1080,  
-105.6360, -1.8600

■ 122.7630,  
-117.7860, -1.9300

■ 118.3110,  
-122.3250, -2.2690

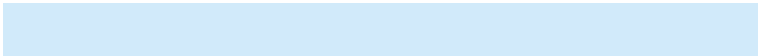
# Harmonies

## Analogous

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



226.8170, -21.5940, -5.1300



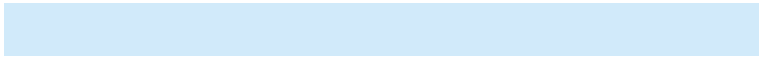
228.3490, -20.0360, -0.3240



230.4040, -12.7010, 4.4110

# Triad

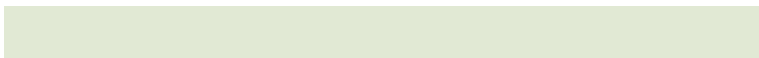
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228.3490, -20.0360, -0.3240



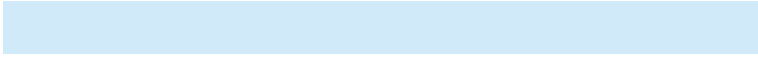
232.9530, 16.5500, 8.4380



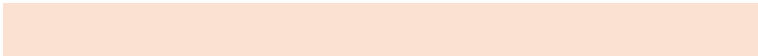
228.2140, 1.9730, -8.2270

# Complementary

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



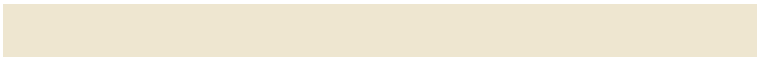
228.3490, -20.0360, -0.3240



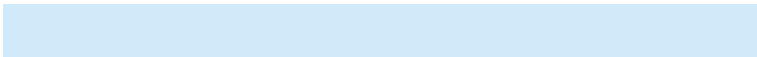
230.6510, 20.0360, 0.3240

# Split Complementary

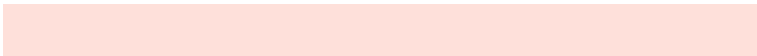
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229.8840, 11.8300, -5.1460



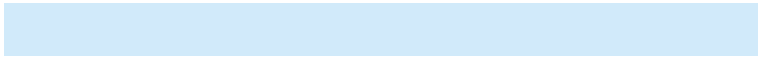
228.3490, -20.0360, -0.3240



232.2860, 19.8060, 4.4940

# Square

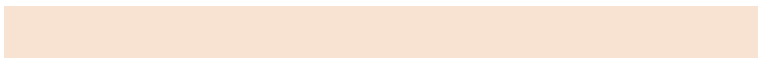
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228.3490, -20.0360, -0.3240



232.7010, 8.5720, 9.8520



230.7540, 18.2480, -0.3120



227.2990, -8.5720, -9.8520



# Rectangle

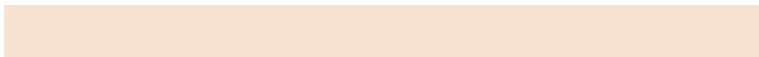
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228.3490, -20.0360, -0.3240



231.1060, -5.8700, 7.2660



230.7540, 18.2480, -0.3120



228.5950, 5.2740, -7.4780

# Sweetspot

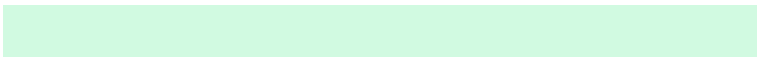
The Sweet Spot groups the original color and five complimentary colors.



228.3490, -20.0360, -0.3240



248.1780, -6.3730, -0.1410



234.8910, -16.4110, -16.4670



123.8470, -3.9430, -0.1270



0.0000, 0.0000, 0.0000

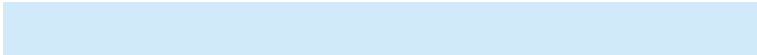


128.0000, -0.0000, -0.0000

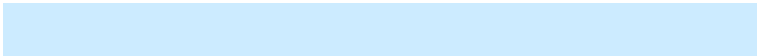


# Same Dimension

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



228.3490, -20.0360, -0.3240



228.0110, -24.8960, -0.3520



216.6090, -14.5360, 10.1360



118.1780, -6.3730, -0.1410



89.0510, -92.2940, -1.3660



28.6730, -29.7560, -0.3800



# Inverse Universe

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



224.1090, 16.4110, 16.4670



222.7830, 20.4450, 20.4530



242.3910, 14.5360, -10.1360



116.7990, 5.1800, 5.2440



69.6210, 75.7290, 75.8330

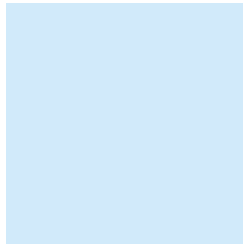


22.4570, 24.4790, 24.4390



# Previews

## White Background



This preview shows how the YIQ color 228.3490, -20.0360, -0.3240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

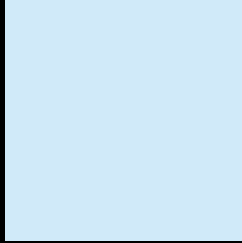
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 228.3490, -20.0360, -0.3240 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

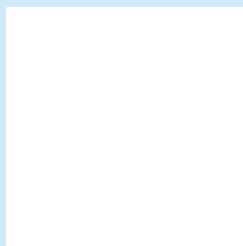
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 228.3490, -20.0360, -0.3240

## Background



This preview shows how black text looks on a background with the YIQ color 228.3490, -20.0360, -0.3240.



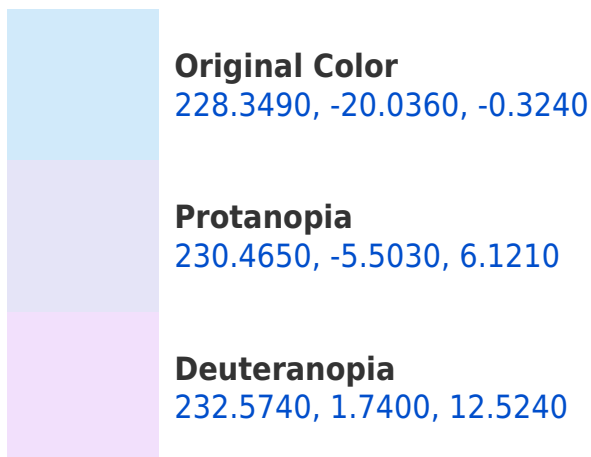
This preview shows how white text looks on a background with the YIQ color 228.3490, -20.0360, -0.3240.

-0.3240.

# 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

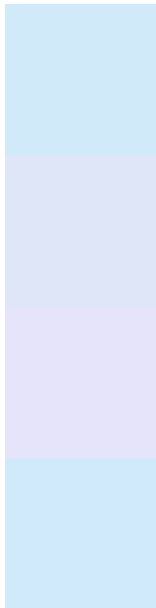




## Tritanopia

228.5770, -20.6780, 0.2980

# Trichromacy



## Original Color

228.3490, -20.0360, -0.3240

## Protanomaly

229.6600, -10.5460, 3.9020

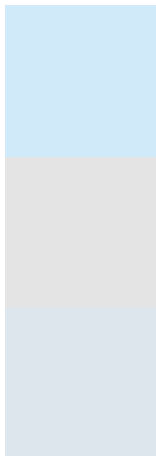
## Deuteranomaly

231.2200, -6.1910, 7.5770

## Tritanomaly

228.4630, -20.3570, -0.0130

# Monochromacy



## Original Color

228.3490, -20.0360, -0.3240

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

227.9930, -7.2900, -0.0420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.3490, -20.0360, -0.3240 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(209, 234, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 234, 250)  
}
```

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(209, 234, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 234, 250) }
```

## Border

The CSS property to change the border of an element to YIQ 228.3490, -20.0360, -0.3240 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(209, 234, 250) }
```



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

```
.border{ border-color:rgb(209, 234, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 234, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 234, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 234, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 234,  
250) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.3490, -20.0360, -0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 234, 250) }
```

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

```
.background{ background-color: rgb(209,  
234, 250) }
```

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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