

# Converting Colors

YIQ(190.7220, -22.2840, 7.3800)

Have a look what the booklet for  
YIQ(190.7220, -22.2840, 7.3800)  
contains.

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# Color

**YIQ(190.7220, -22.2840,  
7.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEC0E4
RGB	174, 192, 228
RGB Percent	68%, 75%, 89%
CMY	0.3177, 0.2470, 0.1060
CMYK	0.24, 0.16, 0.00, 0.11
HSL	220°, 50%, 79%
HSV	220°, 24%, 89%
XYZ	50.3052, 52.3005, 80.8208
YIQ	190.7220, -22.2840, 7.3800

# Conversions

## Conversions Part 2

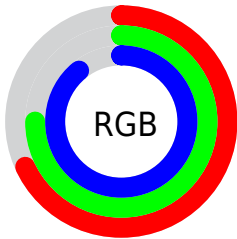
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 188, 228
Decimal	11452644
CIE Lab	77.46, 1.60, -19.95
CIE LCh	77, 20.012, 274.589
Yxy	52.3005, 0.2743, 0.2851
Android (android.graphics.Color)	4289642724 (0xFFAEC0E4)
YUV	190.7220, 18.3781, -14.6652
Hunter-Lab	72.3191, -2.3937, -15.6367

# Details

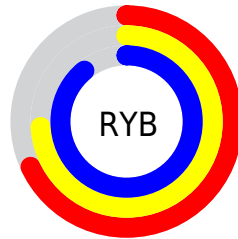
The YIQ color  $190.7220, -22.2840, 7.3800$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $211.2780, 22.2840, -7.3800$ , and the grayscale version is  $191.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $243.4160, -12.9750, -1.6390$ , and  $137.4940, -21.6420, 6.7580$  is the 20% darker color. If you saturate the color by 10%, you get  $175.0400, -31.8670, 10.3490$ , and if you desaturate by 10%, it is  $206.4040, -12.7010, 4.4110$ .

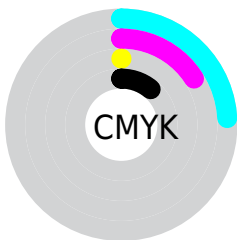
# Distribution



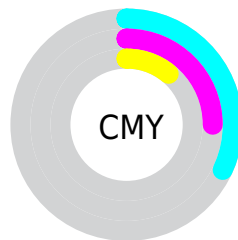
- Red (68%)
- Green (75%)
- Blue (89%)



- Red (68%)
- Yellow (74%)
- Blue (89%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (32%)
- Magenta (25%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 190.7220, -22.2840, 7.3800 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 190.7220, -22.2840, 7.3800 by changing the saturation by 10% instead.



■ 190.7220,  
-22.2840, 7.3800

■ 190.7220,  
-22.2840, 7.3800

■ 255.0000, -0.0000,  
-0.0000

■ 163.6080,  
-21.9630, 7.0690

■ 243.4160,  
-12.9750, -1.6390

■ 137.3800,  
-21.3210, 6.4470

■ 111.3800,  
-21.3210, 6.4470

■ 86.8530, -21.2750,  
5.6130

■ 63.3260, -21.2290,  
4.7790

■ 40.5000, -21.7790,  
3.7330

■ 19.0870, -22.0540,

3.2100

■ 3.7790, -9.2630,  
8.1850

■ 0.0000, 0.0000,  
0.0000

■ 190.7220,  
-22.2840, 7.3800

■ 190.7220,  
-22.2840, 7.3800

■ 175.0400,  
-31.8670, 10.3490

■ 206.4040,  
-12.7010, 4.4110

■ 159.3580,  
-41.4500, 13.3180

■ 222.0860, -3.1180,  
1.4420

■ 143.3880,  
-50.1620, 17.0220

■ 238.0560, 5.5940,  
-2.2620

■ 127.7060,  
-59.7450, 19.9910

■ 250.7480, 9.2170,  
-7.3510

■ 112.0240,  
-69.3280, 22.9600

■ 251.9220, 8.6670,  
-8.3970

■ 96.3420, -78.9110,  
25.9290

■ 80.6600, -88.4940,  
28.8980

■ 70.6040, -94.0880,  
31.1600

# Harmonies

## Analogous

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



187.2100, -35.7620, -1.6660



190.7220, -22.2840, 7.3800



193.6920, -4.4040, 13.7400

# Triad

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



190.7220, -22.2840, 7.3800



193.6250, 32.0930, 7.5890



186.0760, -15.4940, -16.5660

# Complementary

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



190.7220, -22.2840, 7.3800



211.2780, 22.2840, -7.3800

# 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.



188.4110, 2.6160, -14.3760



190.7220, -22.2840, 7.3800



192.3870, 29.5270, -0.9770

# Square

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



190.7220, -22.2840, 7.3800



194.5030, 26.8650, 14.2330



190.4840, 18.7080, -8.6520



184.3440, -30.8080, -14.3600



# Rectangle

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



190.7220, -22.2840, 7.3800



194.5040, 7.9290, 16.0010



190.4840, 18.7080, -8.6520



186.8980, -9.1210, -16.4250

# Sweetspot

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



190.7220, -22.2840, 7.3800



242.5740, -7.4280, 2.4600



209.6880, -26.0850, -17.3570



120.6020, -4.6310, 1.3290



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.



190.7220, -22.2840, 7.3800



205.5950, -29.1160, 10.0520



182.5480, -12.5660, 18.4900



106.7160, -4.9520, 1.6400



55.6260, -73.9590, 24.2890



15.7930, -21.0460, 6.9700



# Inverse Universe

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



192.1980, 26.4060, 17.0460



207.8510, 34.9330, 22.2050



219.4520, 12.5660, -18.4900



107.0440, 5.8680, 3.7880



60.3610, 87.4240, 56.6080

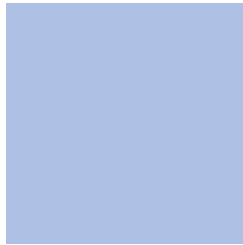


17.1870, 24.9390, 16.0990



# Previews

## White Background



This preview shows how the YIQ color 190.7220, -22.2840, 7.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

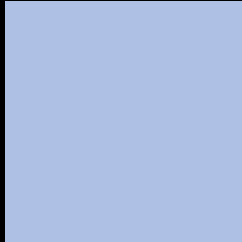
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 190.7220, -22.2840, 7.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

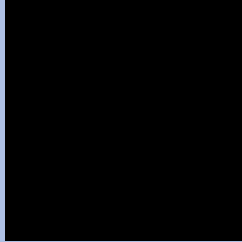
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 190.7220, -22.2840, 7.3800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 190.7220, -22.2840, 7.3800.



This preview shows how white text looks on a background with the YIQ color 190.7220, -22.2840,

7.3800.

# 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

190.7220, -22.2840, 7.3800

### Protanopia

191.7230, -14.8570, 10.4470

### Deuteranopia

192.9840, -11.0980, 13.9100



## Tritanopia

189.6480, -19.4400, -0.1120

# Trichromacy



## Original Color

190.7220, -22.2840, 7.3800

## Protanomaly

191.2280, -17.8370, 9.3870

## Deuteranomaly

192.3640, -15.2240, 11.5920

## Tritanomaly

190.0440, -20.4950, 2.4890

# Monochromacy



## Original Color

190.7220, -22.2840, 7.3800

## Achromatopsia

191.0000, -0.0000, -0.0000

## Achromatomaly

190.6880, -7.7490, 2.7710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 190.7220, -22.2840, 7.3800 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(174, 192, 228)` looks like.

```
.text, #text, p{  
    color:rgb(174, 192, 228)  
}
```

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(174, 192, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 192, 228) }
```

## Border

The CSS property to change the border of an element to YIQ 190.7220, -22.2840, 7.3800 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(174, 192, 228) }
```



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

```
.border{ border-color:rgb(174, 192, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 192, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 192, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 192, 228);  
box-shadow:4px 4px 4px 4px rgb(174, 192,  
228) }
```

# Background

The CSS property to change the background color of an element to YIQ 190.7220, -22.2840, 7.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 192, 228) }
```

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

```
.background{ background-color: rgb(174,  
192, 228) }
```

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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