

# Converting Colors

YIQ(218.9210, 18.4350,  
-20.2290)

Have a look what the booklet for  
YIQ(218.9210, 18.4350, -20.2290)  
contains.

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# Color

**YIQ(218.9210, 18.4350,  
-20.2290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E3A4
RGB	224, 227, 164
RGB Percent	88%, 89%, 64%
CMY	0.1216, 0.1098, 0.3567
CMYK	0.01, 0.00, 0.28, 0.11
HSL	63°, 53%, 77%
HSV	63°, 28%, 89%
XYZ	64.9098, 73.4656, 45.8959
YIQ	218.9210, 18.4350, -20.2290

# Conversions

## Conversions Part 2

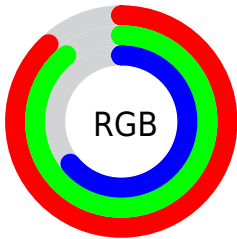
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 227, 167
Decimal	14738340
CIELab	88.67, -10.85, 30.51
CIELCh	89, 32.379, 109.576
Yxy	73.4656, 0.3523, 0.3987
Android (android.graphics.Color)	4292928420 (0xFFE0E3A4)
YUV	218.9210, -27.0761, 4.4543
Hunter-Lab	85.7121, -14.8180, 28.2507

# Details

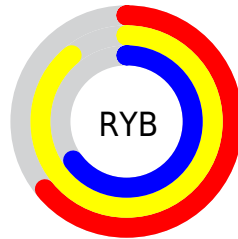
The YIQ color **218.9210, 18.4350, -20.2290** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **172.0790, -18.4350, 20.2290**, and the grayscale version is **219.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **250.8960, 11.5560, -11.1960**, and **163.9640, 16.8760, -19.5080** is the 20% darker color. If you saturate the color by 10%, you get **216.0000, 25.2220, -27.5940**, and if you desaturate by 10%, it is **221.8420, 11.6480, -12.8640**.

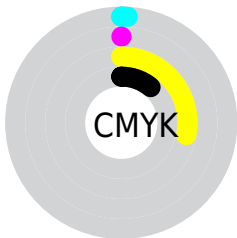
# Distribution



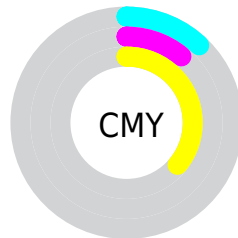
- Red (88%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.9210, 18.4350, -20.2290 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 218.9210, 18.4350, -20.2290 by changing the saturation by 10% instead.



■ 218.9210, 18.4350,  
-20.2290

■ 218.9210, 18.4350,  
-20.2290

■ 255.0000, -0.0000,  
-0.0000

■ 191.0350, 18.1140,  
-19.9180

■ 250.8960, 11.5560,  
-11.1960

■ 163.9640, 16.8760,  
-19.5080

■ 254.2020, 2.2470,  
-2.1770

■ 137.1920, 16.2340,  
-18.8860

■ 112.0070, 15.3170,  
-18.7870

■ 87.1210, 14.9960,  
-18.4760

■ 62.9360, 14.0790,  
-18.3770

■ 41.6200, 12.1530,

-16.5110

■ 21.8180, 3.0280,  
-10.8280

■ 0.0000, 0.0000,  
0.0000

■ 218.9210, 18.4350,  
-20.2290

■ 218.9210, 18.4350,  
-20.2290

■ 216.0000, 25.2220,  
-27.5940

■ 221.8420, 11.6480,  
-12.8640

■ 213.1930, 31.6880,  
-34.6480

■ 224.6490, 5.1820,  
-5.8100

■ 210.2720, 38.4750,  
-42.0130

■ 227.5700, -1.6050,  
1.5550

■ 207.3510, 45.2620,  
-49.3780

■ 230.4910, -8.3920,  
8.9200

■ 204.5440, 51.7280,  
-56.4320

■ 230.7900, -7.7960,  
9.1320

■ 201.3240, 57.9190,  
-64.0090

■ 231.3880, -6.6040,  
9.5560

■ 198.4030, 64.7060,  
-71.3740

■ 231.6870, -6.0080,  
9.7680

■ 197.8330, 66.3110,  
-72.9290

■ 231.9860, -5.4120,  
9.9800

■ 232.2850, -4.8160,  
10.1920

# Harmonies

## Analogous

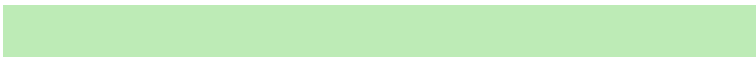
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



222.0920, 40.3030, -9.0490



218.9210, 18.4350, -20.2290



215.2040, -10.4030, -26.2350

# Triad

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



218.9210, 18.4350, -20.2290



208.2660, -65.6990, -15.2910



221.0220, 21.2700, 22.0220

# Complementary

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



218.9210, 18.4350, -20.2290



172.0790, -18.4350, 20.2290

# Split Complementary

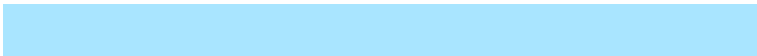
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



226.5140, 11.1370, 23.9450



218.9210, 18.4350, -20.2290



214.0240, -44.1060, -4.6340

# Square

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



218.9210, 18.4350, -20.2290



207.9360, -65.0100, -22.2740



220.7230, -14.8570, 10.4470



217.3740, 31.5420, 12.0700



# Rectangle

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



218.9210, 18.4350, -20.2290



211.8410, -31.3100, -27.2940



220.7230, -14.8570, 10.4470



223.3360, 17.5100, 24.0860

# Sweetspot

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



218.9210, 18.4350, -20.2290



252.4210, 5.8240, -6.4320



184.0110, 36.9980, 12.3100



126.2190, 3.5770, -4.2550



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.



218.9210, 18.4350, -20.2290



244.2280, 24.5800, -26.9720



209.6520, -0.0410, -26.8010



113.3330, 3.2560, -3.9440



155.9030, 52.0950, -57.5770



44.5880, 15.1790, -16.2850



# Inverse Universe

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



172.0790, -18.4350, 20.2290



181.7720, -24.5800, 26.9720



181.3480, 0.0410, 26.8010



104.6670, -3.2560, 3.9440



23.0970, -52.0950, 57.5770

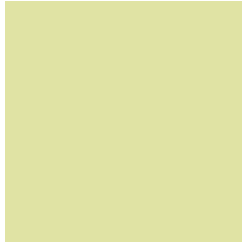


6.4120, -15.1790, 16.2850



# Previews

## White Background



This preview shows how the YIQ color 218.9210, 18.4350, -20.2290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

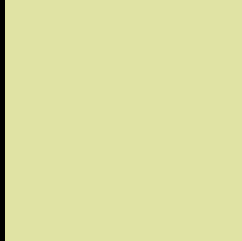
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 218.9210, 18.4350, -20.2290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

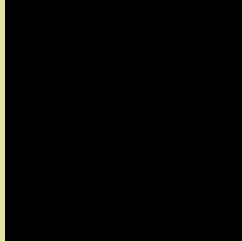
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

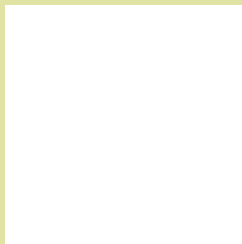
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 218.9210, 18.4350, -20.2290

## Background



This preview shows how black text looks on a background with the YIQ color 218.9210, 18.4350, -20.2290.



This preview shows how white text looks on a background with the YIQ color 218.9210, 18.4350,

-20.2290.

# 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

218.9210, 18.4350, -20.2290

### Protanopia

220.2430, 29.3920, -15.0560

### Deuteranopia

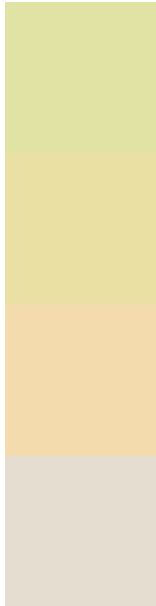
222.8560, 35.3960, -2.7160



## Tritanopia

224.4230, 3.4830, 8.4670

# Trichromacy



## Original Color

218.9210, 18.4350, -20.2290

## Protanomaly

220.0360, 25.5410, -16.8510

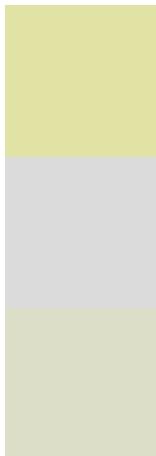
## Deuteranomaly

221.3450, 29.3450, -8.6950

## Tritanomaly

222.3230, 9.2160, -1.8240

# Monochromacy



## Original Color

218.9210, 18.4350, -20.2290

## Achromatopsia

219.0000, 0.0000, -0.0000

## Achromatomaly

219.0790, 6.7870, -7.3650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.9210, 18.4350, -20.2290 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, 227, 164)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 164)  
}
```

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, 227, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 164) }
```

## Border

The CSS property to change the border of an element to YIQ 218.9210, 18.4350, -20.2290 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, 227, 164) }
```



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

```
.border{ border-color:rgb(224, 227, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
164) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.9210, 18.4350, -20.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 164) }
```

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

```
.background{ background-color: rgb(224,  
227, 164) }
```

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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