

# Converting Colors

YIQ(230.9790, -4.6750, -8.8910)

Have a look what the booklet for  
YIQ(230.9790, -4.6750, -8.8910)  
contains.

<b>YIQ(230.9790, -4.6750, -8.8910)</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(230.9790, -4.6750,  
-8.8910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDEEDD
RGB	221, 238, 221
RGB Percent	87%, 93%, 87%
CMY	0.1334, 0.0666, 0.1333
CMYK	0.07, 0.00, 0.07, 0.07
HSL	120°, 33%, 90%
HSV	120°, 7%, 93%
XYZ	73.4424, 81.7437, 80.3129
YIQ	230.9790, -4.6750, -8.8910

# Conversions

## Conversions Part 2

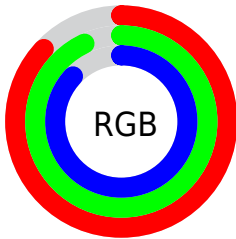
Format	Color
R <sub>Y</sub> B	221, 238, 238
Decimal	14544605
CIE Lab	92.46, -8.69, 6.30
CIE LCh	92, 10.732, 144.071
Yxy	81.7437, 0.3119, 0.3471
Android (android.graphics.Color)	4292734685 (0xFFDDEEDD)
YUV	230.9790, -4.9196, -8.7516
Hunter-Lab	90.4122, -13.2248, 10.6214

# Details

The YIQ color  $230.9790, -4.6750, -8.8910$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $228.0210, 4.6750, 8.8910$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $175.3920, -4.4000, -8.3680$  is the 20% darker color. If you saturate the color by 10%, you get  $221.0670, -11.2750, -21.4430$ , and if you desaturate by 10%, it is  $240.8910, 1.9250, 3.6610$ .

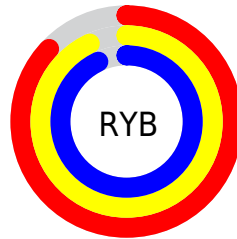
# Distribution



Red (87%)

Green (93%)

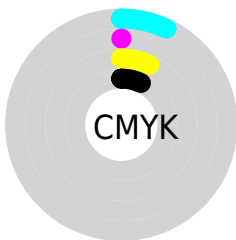
Blue (87%)



Red (87%)

Yellow (93%)

Blue (93%)

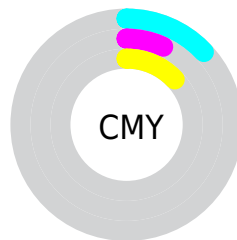


Cyan (7%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (13%)

Magenta (7%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 230.9790, -4.6750, -8.8910 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 230.9790, -4.6750, -8.8910 by changing the saturation by 10% instead.



■ 230.9790, -4.6750,  
-8.8910

■ 230.9790, -4.6750,  
-8.8910

255.0000, -0.0000,  
-0.0000

■ 202.9790, -4.6750,  
-8.8910

■ 175.3920, -4.4000,  
-8.3680

■ 148.8050, -4.1250,  
-7.8450

■ 122.8050, -4.1250,  
-7.8450

■ 97.9190, -4.4460,  
-7.5340

■ 74.2180, -3.8500,  
-7.3220

■ 51.6310, -3.5750,

-6.7990

■ 30.7450, -3.8960,  
-6.4880

■ 8.8050, -4.1250,  
-7.8450

■ 230.9790, -4.6750,  
-8.8910

■ 230.9790, -4.6750,  
-8.8910

■ 221.0670,  
-11.2750, -21.4430

■ 240.8910, 1.9250,  
3.6610

■ 211.1550,  
-17.8750, -33.9950

■ 245.0210, 4.6750,  
8.8910

■ 201.6560,  
-24.2000, -46.0240

■ 191.7440,  
-30.8000, -58.5760

■ 181.8320,  
-37.4000, -71.1280

■ 171.9200,  
-44.0000, -83.6800

■ 162.1220,  
-50.9210, -95.9210

■ 152.5090,  
-56.9250, -108.2610

■ 142.5970,  
-63.5250, -120.8130

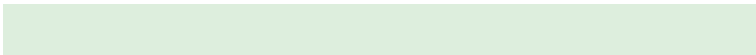
# Harmonies

## Analogous

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



232.0080, 5.5490, -6.9550



230.9790, -4.6750, -8.8910



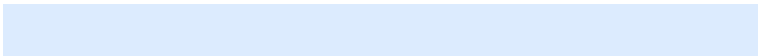
230.0150, -13.5240, -8.2120

# Triad

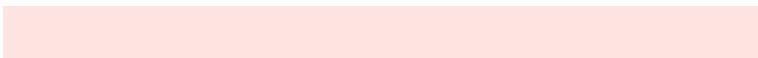
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230.9790, -4.6750, -8.8910



232.6810, -15.0390, 2.7290



235.1440, 17.3300, 5.3140

# Complementary

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



230.9790, -4.6750, -8.8910



228.0210, 4.6750, 8.8910

# 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.



235.8000, 12.6070, 8.3110



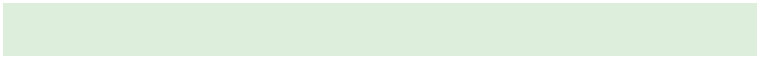
230.9790, -4.6750, -8.8910



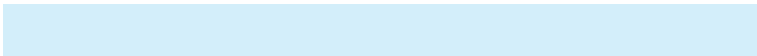
233.9920, -5.5490, 6.9550

# Square

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



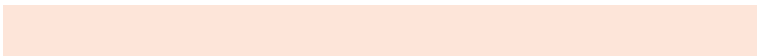
230.9790, -4.6750, -8.8910



231.2950, -19.9440, -1.9920



235.1350, 4.3540, 9.2020

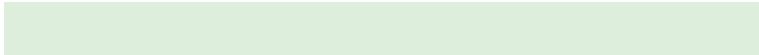


234.8080, 18.1560, 1.3560



# Rectangle

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



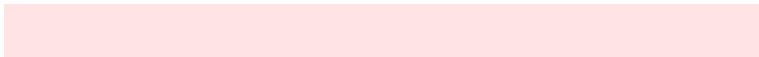
230.9790, -4.6750, -8.8910



230.2040, -18.4300, -7.4060



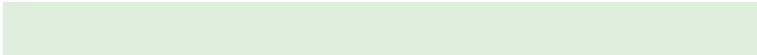
235.1350, 4.3540, 9.2020



235.6000, 16.0460, 6.5580

# Sweetspot

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



230.9790, -4.6750, -8.8910



252.9350, -1.3750, -2.6150



236.0620, 5.4570, -5.2870



126.7610, -0.8250, -1.5690



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

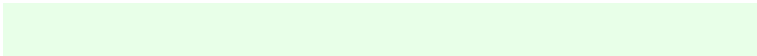


# Same Dimension

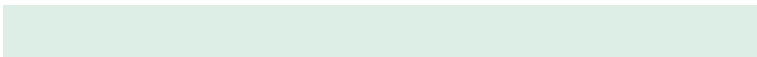
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230.9790, -4.6750, -8.8910



245.5010, -6.3250, -12.0290



232.0050, -7.5640, -6.0920



115.0440, -3.3000, -6.2760



108.0080, -50.6000, -96.2320



32.8720, -15.4000, -29.2880



# Inverse Universe

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



228.0210, 4.6750, 8.8910



241.4990, 6.3250, 12.0290



227.1090, 7.2430, 6.4030



112.9560, 3.3000, 6.2760



75.8780, 50.9210, 95.9210

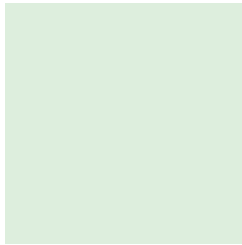


23.1280, 15.4000, 29.2880



# Previews

## White Background



This preview shows how the YIQ color 230.9790, -4.6750, -8.8910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

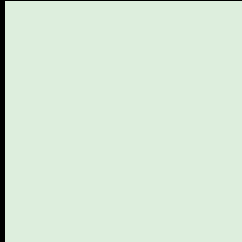
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 230.9790, -4.6750, -8.8910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

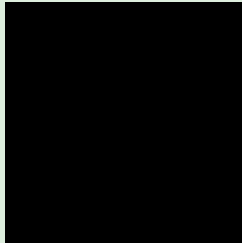
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

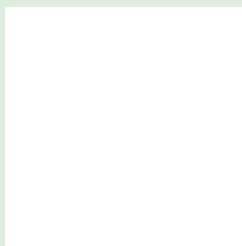
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 230.9790, -4.6750, -8.8910**

## **Background**



This preview shows how black text looks on a background with the YIQ color 230.9790, -4.6750, -8.8910.



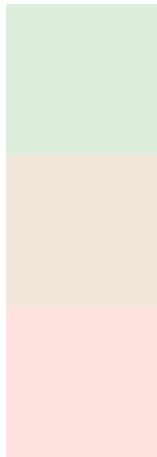
This preview shows how white text looks on a background with the YIQ color 230.9790, -4.6750,

-8.8910.

# 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

230.9790, -4.6750, -8.8910

### Protanopia

233.0950, 9.8580, -2.4460

### Deuteranopia

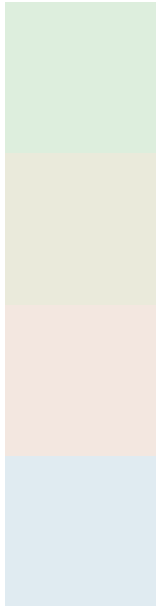
235.1440, 17.3300, 5.3140



## **Tritanopia**

233.0730, -10.2710, 4.4250

# Trichromacy



## Original Color

230.9790, -4.6750, -8.8910

## Protanomaly

232.2900, 4.8150, -4.6650

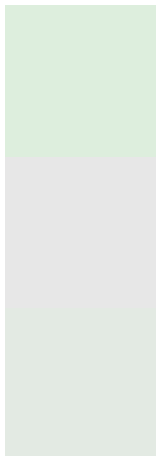
## Deuteranomaly

233.7900, 9.3990, 0.3670

## Tritanomaly

232.3950, -8.4820, -0.4660

# Monochromacy



## Original Color

230.9790, -4.6750, -8.8910

## Achromatopsia

231.0000, -0.0000, -0.0000

## Achromatomaly

231.1090, -1.9250, -3.6610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 230.9790, -4.6750, -8.8910 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(221, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 221)  
}
```

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(221, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 230.9790, -4.6750, -8.8910 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(221, 238, 221) }
```



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

```
.border{ border-color:rgb(221, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 230.9790, -4.6750, -8.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 221) }
```

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

```
.background{ background-color: rgb(221,  
238, 221) }
```

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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