

# Converting Colors

YIQ(219.7910, 42.0480,  
-24.1600)

Have a look what the booklet for  
YIQ(219.7910, 42.0480, -24.1600)  
contains.

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# Color

**YIQ(219.7910, 42.0480,  
-24.1600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E084
RGB	245, 224, 132
RGB Percent	96%, 88%, 52%
CMY	0.0392, 0.1216, 0.4821
CMYK	0.00, 0.09, 0.46, 0.04
HSL	49°, 85%, 74%
HSV	49°, 46%, 96%
XYZ	68.4778, 74.3862, 32.6004
YIQ	219.7910, 42.0480, -24.1600

# Conversions

## Conversions Part 2

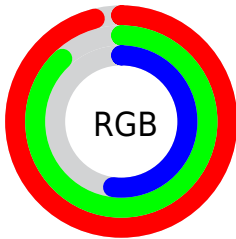
Format	Color
R <sub>Y</sub> B	158, 245, 132
Decimal	16113796
CIE Lab	89.10, -4.80, 47.42
CIE LCh	89, 47.659, 95.782
Yxy	74.3862, 0.3903, 0.4239
Android (android.graphics.Color)	4294303876 (0xFFFF5E084)
YUV	219.7910, -43.2810, 22.1083
Hunter-Lab	86.2474, -9.2095, 37.9624

# Details

The YIQ color **219.7910, 42.0480, -24.1600** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **157.2090, -42.0480, 24.1600**, and the grayscale version is **220.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **247.1340, 22.1490, -21.4590**, and **164.2360, 39.2970, -23.8630** is the 20% darker color. If you saturate the color by 10%, you get **214.1200, 51.1270, -29.0090**, and if you desaturate by 10%, it is **225.5760, 32.6480, -19.0000**.

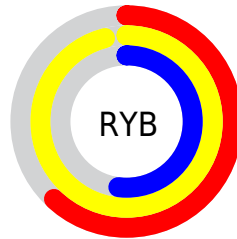
# Distribution



Red (96%)

Green (88%)

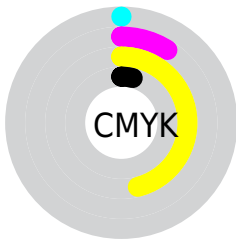
Blue (52%)



Red (62%)

Yellow (96%)

Blue (52%)

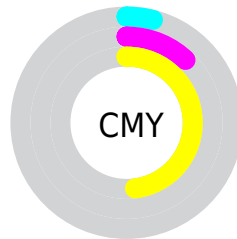


Cyan (0%)

Magenta (9%)

Yellow (46%)

Black (4%)



Cyan (4%)

Magenta (12%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 219.7910, 42.0480, -24.1600 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 219.7910, 42.0480, -24.1600 by changing the saturation by 10% instead.



219.7910, 42.0480,  
-24.1600

219.7910, 42.0480,  
-24.1600

255.0000, -0.0000,  
-0.0000

191.7200, 40.8100,  
-23.7500

247.2480, 21.8280,  
-21.1480

164.2360, 39.2970,  
-23.8630

250.4400, 12.8400,  
-12.4400

137.7520, 37.7840,  
-23.9760

253.7460, 3.5310,  
-3.4210

111.1540, 36.5920,  
-24.4000

85.6870, 36.4090,  
-26.5910

63.8250, 27.5130,  
-19.5510

43.1370, 18.0670,

-13.5570

■ 24.2210, 9.2630,  
-8.1850

■ 0.0000, 0.0000,  
0.0000

■ 219.7910, 42.0480,  
-24.1600

■ 219.7910, 42.0480,  
-24.1600

■ 214.1200, 51.1270,  
-29.0090

■ 225.5760, 32.6480,  
-19.0000

■ 208.9220, 60.2520,  
-34.6920

■ 230.6600, 23.8440,  
-13.6280

■ 203.2510, 69.3310,  
-39.5410

■ 236.4450, 14.4440,  
-8.4680

■ 198.0530, 78.4560,  
-45.2240

■ 241.5290, 5.6400,  
-3.0960

■ 192.3820, 87.5350,  
-50.0730

■ 247.3140, -3.7600,  
2.0640

■ 190.0680, 91.2950,  
-52.1370

■ 249.6620, -4.8600,  
-0.0280

■ 252.0100, -5.9600,  
-2.1200

# Harmonies

## Analogous

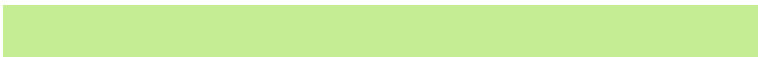
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



214.5290, 49.1980, -10.5620



219.7910, 42.0480, -24.1600



214.5950, 4.1330, -36.3710

# Triad

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



219.7910, 42.0480, -24.1600



173.4720, -149.5050, -49.3530



219.1930, 16.7750, 31.9030

# Complementary

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



219.7910, 42.0480, -24.1600



157.2090, -42.0480, 24.1600

# 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.



223.8120, 4.3060, 21.0900



219.7910, 42.0480, -24.1600



195.0770, -96.3240, -27.4600

# Square

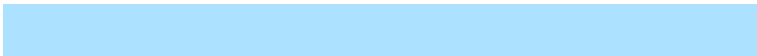
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



219.7910, 42.0480, -24.1600



193.4380, -99.4390, -42.5990



212.5730, -41.2180, -1.9060



211.3390, 30.6230, 23.2230

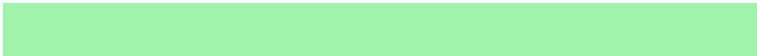


# Rectangle

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



219.7910, 42.0480, -24.1600



209.9750, -26.3560, -39.9880



212.5730, -41.2180, -1.9060



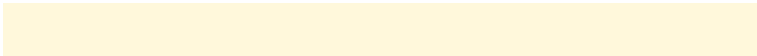
221.5410, 15.6750, 29.8110

# Sweetspot

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



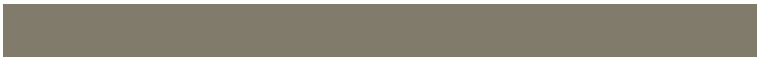
219.7910, 42.0480, -24.1600



246.7870, 13.4810, -7.5350



168.4090, 59.9650, 31.1090



122.5570, 8.4370, -4.2270



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.



219.7910, 42.0480, -24.1600



223.7780, 52.0900, -29.9420



221.9520, 16.0090, -42.3510



119.4580, 4.4020, -2.6860



144.8380, 69.0560, -40.0640



45.8170, 21.9640, -12.5960



# Inverse Universe

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



157.2090, -42.0480, 24.1600



146.2220, -52.0900, 29.9420



155.0480, -16.0090, 42.3510



112.5420, -4.4020, 2.6860



41.7490, -69.3310, 39.5410



13.1830, -21.9640, 12.5960



# Previews

## White Background



This preview shows how the YIQ color 219.7910, 42.0480, -24.1600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

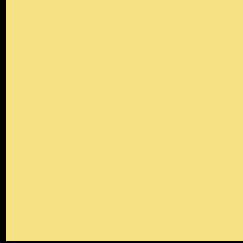
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 219.7910, 42.0480, -24.1600 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 219.7910, 42.0480, -24.1600

## Background



This preview shows how black text looks on a background with the YIQ color 219.7910, 42.0480, -24.1600.



This preview shows how white text looks on a background with the YIQ color 219.7910, 42.0480,

-24.1600.

# 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

219.7910, 42.0480, -24.1600

### Protanopia

219.7910, 42.0480, -24.1600

### Deuteranopia

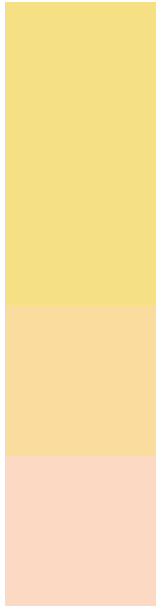
224.0470, 36.1760, -5.8400



## Tritanopia

227.3820, 19.8960, 13.8800

# Trichromacy



## Original Color

219.7910, 42.0480, -24.1600

## Protanomaly

219.7910, 42.0480, -24.1600

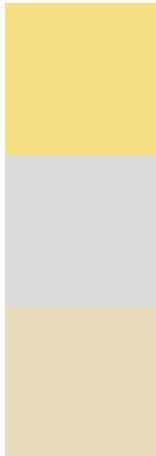
## Deuteranomaly

222.3150, 38.0570, -12.3990

## Tritanomaly

224.5440, 27.6470, 0.0550

# Monochromacy



## Original Color

219.7910, 42.0480, -24.1600

## Achromatopsia

220.0000, 0.0000, 0.0000

## Achromatomaly

219.6300, 15.3610, -8.5670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 219.7910, 42.0480, -24.1600 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(245, 224, 132)` looks like.

```
.text, #text, p{  
    color:rgb(245, 224, 132)  
}
```

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(245, 224, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 224, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 219.7910, 42.0480, -24.1600 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(245, 224, 132) }
```



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

```
.border{ border-color:rgb(245, 224, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 224, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 224, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 224, 132);  
box-shadow:4px 4px 4px 4px rgb(245, 224,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 219.7910, 42.0480, -24.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 224, 132) }
```

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

```
.background{ background-color: rgb(245,  
224, 132) }
```

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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