

# Converting Colors

YIQ(217.9970, 38.4720,  
-25.4320)

Have a look what the booklet for  
YIQ(217.9970, 38.4720, -25.4320)  
contains.

<b>YIQ(217.9970, 38.4720, -25.4320)</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(217.9970, 38.4720,  
-25.4320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE084
RGB	239, 224, 132
RGB Percent	94%, 88%, 52%
CMY	0.0628, 0.1216, 0.4821
CMYK	0.00, 0.06, 0.45, 0.06
HSL	52°, 77%, 73%
HSV	52°, 45%, 94%
XYZ	66.4174, 73.3251, 32.5029
YIQ	217.9970, 38.4720, -25.4320

# Conversions

## Conversions Part 2

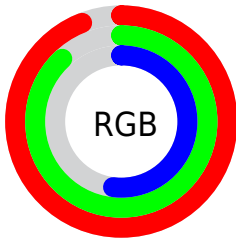
Format	Color
<a href="#">RYB</a>	<a href="#">149, 239, 132</a>
Decimal	<a href="#">15720580</a>
CIELab	<a href="#">88.60, -7.18, 46.68</a>
CIELCh	<a href="#">89, 47.233, 98.741</a>
Yxy	<a href="#">73.3251, 0.3856, 0.4257</a>
Android (android.graphics.Color)	<a href="#">4293910660</a> ( <a href="#">0xFFEFE084</a> )
YUV	<a href="#">217.9970, -42.3965, 18.4196</a>
Hunter-Lab	<a href="#">85.6301, -11.4023, 37.4361</a>

# Details

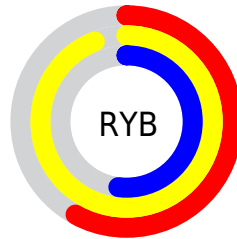
The YIQ color  $217.9970, 38.4720, -25.4320$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $153.0030, -38.4720, 25.4320$ , and the grayscale version is  $218.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.1340, 22.1490, -21.4590$ , and  $162.4420, 35.7210, -25.1350$  is the 20% darker color. If you saturate the color by 10%, you get  $213.5000, 47.0010, -31.3270$ , and if you desaturate by 10%, it is  $222.4940, 29.9430, -19.5370$ .

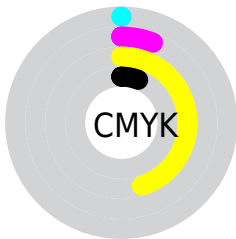
# Distribution



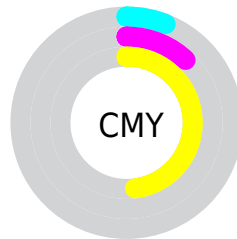
- Red (94%)
- Green (88%)
- Blue (52%)



- Red (58%)
- Yellow (94%)
- Blue (52%)



- Cyan (0%)
- Magenta (6%)
- Yellow (45%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.9970, 38.4720, -25.4320 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 217.9970, 38.4720, -25.4320 by changing the saturation by 10% instead.



■ 217.9970, 38.4720,  
-25.4320

■ 217.9970, 38.4720,  
-25.4320

■ 255.0000, -0.0000,  
-0.0000

■ 189.9260, 37.2340,  
-25.0220

■ 247.2480, 21.8280,  
-21.1480

■ 162.4420, 35.7210,  
-25.1350

■ 250.4400, 12.8400,  
-12.4400

■ 135.9580, 34.2080,  
-25.2480

■ 253.7460, 3.5310,  
-3.4210

■ 109.6590, 33.6120,  
-25.4600

■ 84.1920, 33.4290,  
-27.6510

■ 62.6290, 25.1290,  
-20.3990

■ 41.9410, 15.6830,

-14.4050

■ 23.0250, 6.8790,  
-9.0330

■ 0.0000, 0.0000,  
0.0000

■ 217.9970, 38.4720,  
-25.4320

■ 217.9970, 38.4720,  
-25.4320

■ 213.5000, 47.0010,  
-31.3270

■ 222.4940, 29.9430,  
-19.5370

■ 208.4160, 55.8050,  
-36.6990

■ 227.5780, 21.1390,  
-14.1650

■ 203.9190, 64.3340,  
-42.5940

■ 232.0750, 12.6100,  
-8.2700

■ 199.4220, 72.8630,  
-48.4890

■ 236.5720, 4.0810,  
-2.3750

■ 194.4520, 81.3460,  
-53.5500

■ 241.6560, -4.7230,  
2.9970

■ 191.7960, 86.0690,  
-56.5470

■ 243.7590, -6.5110,  
2.3610

■ 245.5200, -7.3360,  
0.7920

■ 247.8680, -8.4360,  
-1.3000

■ 249.6290, -9.2610,  
-2.8690

# Harmonies

## Analogous

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



214.7740, 49.8860, -12.0180



217.9970, 38.4720, -25.4320



212.5560, -0.1310, -36.1870

# Triad

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



217.9970, 38.4720, -25.4320



172.2980, -148.9550, -48.3070



218.0190, 17.3250, 32.9490

# Complementary

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



217.9970, 38.4720, -25.4320



153.0030, -38.4720, 25.4320

# 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.



223.2470, 7.5150, 23.5070



217.9970, 38.4720, -25.4320



196.3060, -89.5390, -23.7710

# Square

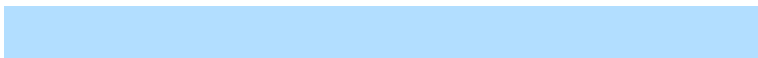
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



217.9970, 38.4720, -25.4320



191.2140, -104.6200, -42.3160



212.6060, -36.8170, 0.9350



210.0680, 32.8240, 21.8800



# Rectangle

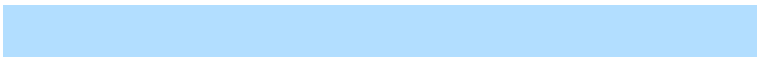
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



217.9970, 38.4720, -25.4320



207.6370, -31.2160, -40.0160



212.6060, -36.8170, 0.9350



220.3670, 16.2250, 30.8570

# Sweetspot

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



217.9970, 38.4720, -25.4320



248.3030, 11.9680, -7.6480



165.8170, 58.6360, 27.6600



123.8450, 7.5660, -4.9620



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.



217.9970, 38.4720, -25.4320



228.1150, 49.5230, -32.9810



215.7390, 12.2950, -41.1210



117.4580, 4.4020, -2.6860



147.7620, 66.2140, -43.6260



44.9200, 20.1760, -13.2320



# Inverse Universe

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



153.0030, -38.4720, 25.4320



144.4720, -49.7980, 32.4580



155.2610, -12.2950, 41.1210



110.5420, -4.4020, 2.6860



36.2380, -66.2140, 43.6260

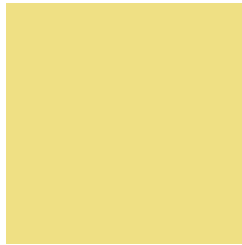


11.0800, -20.1760, 13.2320



# Previews

## White Background



This preview shows how the YIQ color 217.9970, 38.4720, -25.4320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

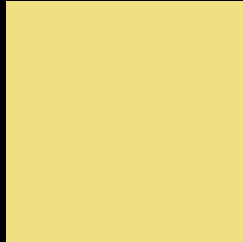
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.9970, 38.4720, -25.4320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

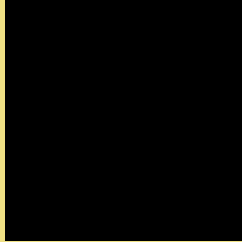
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 217.9970, 38.4720, -25.4320

## Background



This preview shows how black text looks on a background with the YIQ color 217.9970, 38.4720, -25.4320.



This preview shows how white text looks on a background with the YIQ color 217.9970, 38.4720, -25.4320.

-25.4320.

# 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

217.9970, 38.4720, -25.4320

### Protanopia

217.9050, 41.7270, -23.8490

### Deuteranopia

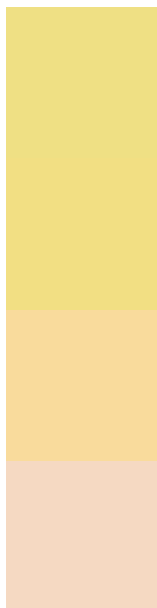
222.4170, 38.0100, -6.0380



## Tritanopia

225.5880, 16.3200, 12.6080

# Trichromacy



## Original Color

217.9970, 38.4720, -25.4320

## Protanomaly

218.1930, 40.8560, -24.5840

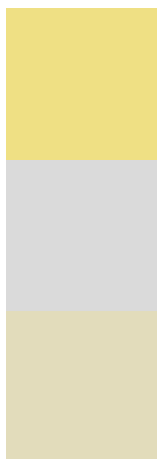
## Deuteranomaly

220.7880, 38.1030, -13.2330

## Tritanomaly

222.7500, 24.0710, -1.2170

# Monochromacy



## Original Color

217.9970, 38.4720, -25.4320

## Achromatopsia

218.0000, -0.0000, 0.0000

## Achromatomaly

218.0320, 14.1690, -8.9910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.9970, 38.4720, -25.4320 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(239, 224, 132)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 224, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 224, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 217.9970, 38.4720, -25.4320 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(239, 224, 132) }
```



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

```
.border{ border-color:rgb(239, 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(239, 224, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 224, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 224, 132);  
box-shadow:4px 4px 4px 4px rgb(239, 224,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.9970, 38.4720, -25.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 224, 132) }
```

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

```
.background{ background-color: rgb(239,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor