

# Converting Colors

YIQ(214.6740, 20.0880,  
-33.6720)

Have a look what the booklet for  
YIQ(214.6740, 20.0880, -33.6720)  
contains.

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# Color

**YIQ(214.6740, 20.0880,  
-33.6720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E787
RGB	213, 231, 135
RGB Percent	84%, 91%, 53%
CMY	0.1648, 0.0941, 0.4704
CMYK	0.08, 0.00, 0.42, 0.09
HSL	71°, 67%, 72%
HSV	71°, 42%, 91%
XYZ	60.3869, 73.0485, 33.8532
YIQ	214.6740, 20.0880, -33.6720

# Conversions

## Conversions Part 2

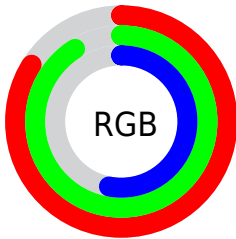
Format	Color
<a href="#">RYB</a>	<a href="#">135, 231, 153</a>
Decimal	<a href="#">14018439</a>
CIELab	<a href="#">88.47, -20.47, 44.63</a>
CIELCh	<a href="#">88, 49.101, 114.636</a>
Yxy	<a href="#">73.0485, 0.3610, 0.4367</a>
Android (android.graphics.Color)	<a href="#">4292208519 (0xFFD5E787)</a>
YUV	<a href="#">214.6740, -39.2793, -1.4681</a>
Hunter-Lab	<a href="#">85.4684, -23.4523, 36.3437</a>

# Details

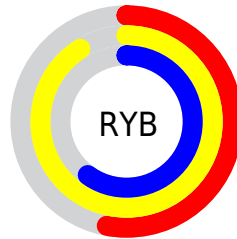
The YIQ color  $214.6740, 20.0880, -33.6720$  is a light color, and the websafe version is hex  $CCCC66$ . A complement of this color would be  $151.3260, -20.0880, 33.6720$ , and the grayscale version is  $215.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $247.5900, 20.8650, -20.2150$ , and  $159.1300, 18.8040, -32.4280$  is the 20% darker color. If you saturate the color by 10%, you get  $210.8560, 25.0870, -41.6730$ , and if you desaturate by 10%, it is  $218.4920, 15.0890, -25.6710$ .

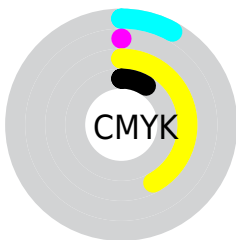
# Distribution



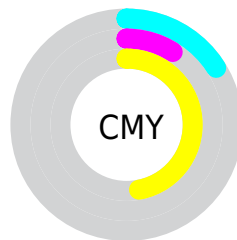
- Red (84%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (60%)



- Cyan (8%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 214.6740, 20.0880, -33.6720 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 214.6740, 20.0880, -33.6720 by changing the saturation by 10% instead.



214.6740, 20.0880,  
-33.6720

214.6740, 20.0880,  
-33.6720

255.0000, -0.0000,  
-0.0000

186.9020, 19.4460,  
-33.0500

247.5900, 20.8650,  
-20.2150

159.1300, 18.8040,  
-32.4280

250.7820, 11.8770,  
-11.5070

132.9450, 17.8870,  
-32.3290

254.0880, 2.5680,  
-2.4880

106.6460, 17.2910,  
-32.5410

80.9620, 19.2170,  
-34.4070

59.2850, 11.2380,  
-27.4660

38.8960, 2.3880,

-21.2600

■ 18.1970, -8.5250,  
-16.2130

■ 0.0000, 0.0000,  
0.0000

■ 214.6740, 20.0880,  
-33.6720

■ 214.6740, 20.0880,  
-33.6720

■ 210.8560, 25.0870,  
-41.6730

■ 218.4920, 15.0890,  
-25.6710

■ 206.7390, 29.4900,  
-49.8860

■ 222.6090, 10.6860,  
-17.4580

■ 202.9210, 34.4890,  
-57.8870

■ 226.4270, 5.6870,  
-9.4570

■ 199.1030, 39.4880,  
-65.8880

■ 230.2450, 0.6880,  
-1.4560

■ 194.9860, 43.8910,  
-74.1010

■ 234.4760, -4.0360,  
7.0680

■ 191.8090, 48.5230,  
-80.9570

■ 236.1280, -2.9360,  
9.1600

■ 237.3240, -0.5520,  
10.0080

■ 238.8190, 2.4280,  
11.0680

■ 240.0150, 4.8120,  
11.9160

# Harmonies

## Analogous

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



217.6290, 51.4920, -19.1000



214.6740, 20.0880, -33.6720



207.6330, -25.3930, -40.9210

# Triad

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



214.6740, 20.0880, -33.6720



173.8260, -141.5740, -44.4060



211.8750, 26.3580, 28.9340

# Complementary

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



214.6740, 20.0880, -33.6720



151.3260, -20.0880, 33.6720

# 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.



220.3670, 16.2250, 30.8570



214.6740, 20.0880, -33.6720



203.8580, -64.3700, -11.8420

# Square

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



214.6740, 20.0880, -33.6720



173.4720, -149.5050, -49.3530



218.3860, -12.2900, 13.4860



207.6910, 40.8950, 13.2710



# Rectangle

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



214.6740, 20.0880, -33.6720



200.5440, -61.7510, -42.7990



218.3860, -12.2900, 13.4860



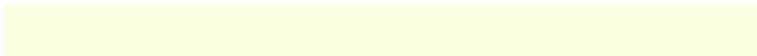
214.8730, 20.6720, 32.8640

# Sweetspot

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



214.6740, 20.0880, -33.6720



249.6720, 6.3750, -10.9130



174.2700, 52.2660, 10.9380



124.7520, 3.3940, -6.4460



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.



214.6740, 20.0880, -33.6720



233.3460, 26.4630, -44.5850



200.3220, -8.5200, -43.8480



113.0340, 2.6600, -4.1560



148.4280, 37.1950, -62.8770



42.1960, 10.4110, -17.9810



# Inverse Universe

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



151.3260, -20.0880, 33.6720



149.3550, -27.0590, 44.3730



165.6780, 8.5200, 43.8480



104.9660, -2.6600, 4.1560



30.5720, -37.1950, 62.8770

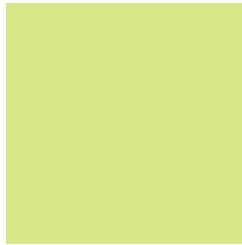


8.8040, -10.4110, 17.9810



# Previews

## White Background



This preview shows how the YIQ color 214.6740, 20.0880, -33.6720 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 214.6740, 20.0880, -33.6720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

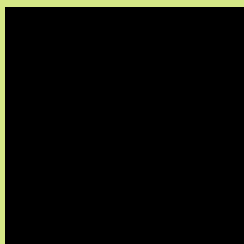
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 214.6740, 20.0880, -33.6720

## Background



This preview shows how black text looks on a background with the YIQ color 214.6740, 20.0880, -33.6720.



This preview shows how white text looks on a background with the YIQ color 214.6740, 20.0880,

-33.6720.

# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

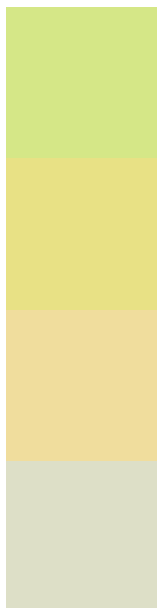
214.6740, 20.0880, -33.6720
218.0190, 41.4060, -23.5380
221.7160, 38.6060, -5.8260



## Tritanopia

222.7320, -1.8810, 6.5590

# Trichromacy



## Original Color

214.6740, 20.0880, -33.6720

## Protanomaly

216.6050, 33.7040, -27.1280

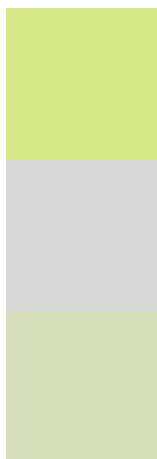
## Deuteranomaly

219.3850, 31.8680, -15.8760

## Tritanomaly

219.6660, 6.5120, -7.8880

# Monochromacy



## Original Color

214.6740, 20.0880, -33.6720

## Achromatopsia

215.0000, -0.0000, -0.0000

## Achromatomaly

214.9170, 7.0630, -12.3690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 214.6740, 20.0880, -33.6720 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(213, 231, 135)` looks like.

```
.text, #text, p{  
    color:rgb(213, 231, 135)  
}
```

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(213, 231, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 231, 135) }
```

## Border

The CSS property to change the border of an element to YIQ 214.6740, 20.0880, -33.6720 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(213, 231, 135) }
```



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

```
.border{ border-color:rgb(213, 231, 135) }
```

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

Here you see how a box with a 4 pixel rgb(213, 231, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 231, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 231, 135);  
box-shadow:4px 4px 4px 4px rgb(213, 231,  
135) }
```

# Background

The CSS property to change the background color of an element to YIQ 214.6740, 20.0880, -33.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 231, 135) }
```

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

```
.background{ background-color: rgb(213,  
231, 135) }
```

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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