

# Converting Colors

YIQ(220.5670, 10.5040,  
-25.1760)

Have a look what the booklet for  
YIQ(220.5670, 10.5040, -25.1760)  
contains.

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# Color

**YIQ(220.5670, 10.5040,  
-25.1760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EAA6
RGB	215, 234, 166
RGB Percent	84%, 92%, 65%
CMY	0.1569, 0.0823, 0.3489
CMYK	0.08, 0.00, 0.29, 0.08
HSL	77°, 62%, 78%
HSV	77°, 29%, 92%
XYZ	64.3280, 76.0478, 47.3762
YIQ	220.5670, 10.5040, -25.1760

# Conversions

## Conversions Part 2

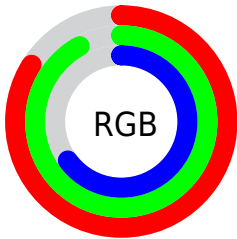
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 234, 185
Decimal	14150310
CIELab	89.88, -17.39, 31.00
CIElCh	90, 35.548, 119.294
Yxy	76.0478, 0.3426, 0.4050
Android (android.graphics.Color)	4292340390 (0xFFD7EAA6)
YUV	220.5670, -26.9015, -4.8823
Hunter-Lab	87.2054, -20.9371, 28.8332

# Details

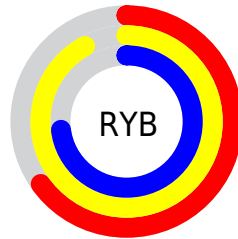
The YIQ color  $220.5670, 10.5040, -25.1760$  is a light color, and the websafe version is hex  $CCCC99$ . A complement of this color would be  $179.4330, -10.5040, 25.1760$ , and the grayscale version is  $221.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $251.1240, 10.9140, -10.5740$ , and  $165.2080, 10.1370, -24.0310$  is the 20% darker color. If you saturate the color by 10%, you get  $215.8520, 13.7150, -33.8130$ , and if you desaturate by 10%, it is  $225.2820, 7.2930, -16.5390$ .

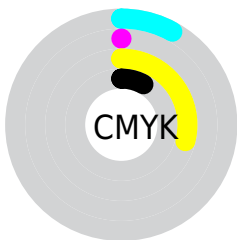
# Distribution



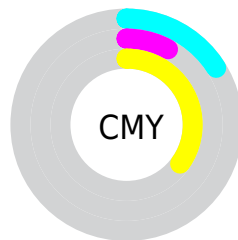
- Red (84%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 220.5670, 10.5040, -25.1760 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 220.5670, 10.5040, -25.1760 by changing the saturation by 10% instead.



■ 220.5670, 10.5040,  
-25.1760

■ 220.5670, 10.5040,  
-25.1760

255.0000, -0.0000,  
-0.0000

■ 192.6810, 10.1830,  
-24.8650

■ 251.2380, 10.5930,  
-10.2630

■ 165.2080, 10.1370,  
-24.0310

■ 254.4300, 1.6050,  
-1.5550

■ 139.0230, 9.2200,  
-23.9320

■ 113.2510, 8.5780,  
-23.3100

■ 88.4790, 7.9360,  
-22.6880

■ 64.5930, 7.6150,  
-22.3770

■ 42.1630, 6.0100,

-20.8220

■ 22.0620, -3.7110,  
-15.3510

■ 0.0000, 0.0000,  
0.0000

■ 220.5670, 10.5040,  
-25.1760

■ 220.5670, 10.5040,  
-25.1760

■ 215.8520, 13.7150,  
-33.8130

■ 225.2820, 7.2930,  
-16.5390

■ 211.3220, 17.8430,  
-42.5490

■ 229.8120, 3.1650,  
-7.8030

■ 206.6070, 21.0540,  
-51.1860

■ 234.5270, -0.0460,  
0.8340

■ 202.0770, 25.1820,  
-59.9220

■ 238.4870, -2.5690,  
8.0150

■ 197.3620, 28.3930,  
-68.5590

■ 240.5800, 1.6030,  
9.4990

■ 192.9460, 32.2000,  
-76.9840

■ 242.3740, 5.1790,  
10.7710

■ 188.1170, 35.7320,  
-85.9320

■ 242.6730, 5.7750,  
10.9830

■ 187.5900, 35.7780,  
-86.7660

# Harmonies

## Analogous

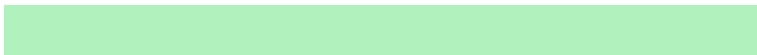
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



224.5490, 37.2780, -14.8020



220.5670, 10.5040, -25.1760



215.7510, -22.3690, -29.6410

# Triad

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



220.5670, 10.5040, -25.1760



210.0270, -66.5240, -16.8600



220.2240, 23.5170, 19.8450

# Complementary

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



220.5670, 10.5040, -25.1760



179.4330, -10.5040, 25.1760

# Split Complementary

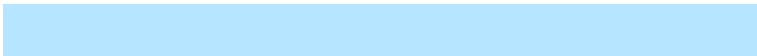
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



226.8240, 13.2000, 25.1040



220.5670, 10.5040, -25.1760



217.6120, -36.9540, -2.0900

# Square

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



220.5670, 10.5040, -25.1760



207.8790, -78.0310, -23.0790



225.8060, -4.7250, 14.0510



217.5220, 33.8810, 8.2250



# Rectangle

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



220.5670, 10.5040, -25.1760



212.2460, -45.7520, -29.8800



225.8060, -4.7250, 14.0510



222.1790, 19.3900, 23.0540

# Sweetspot

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



220.5670, 10.5040, -25.1760



250.5840, 3.8070, -8.4250



196.8980, 35.5780, 5.0020



125.0940, 2.4310, -5.5130



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

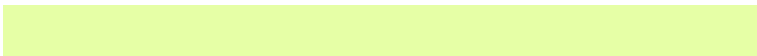


# Same Dimension

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



220.5670, 10.5040, -25.1760



237.3790, 13.6690, -32.9790



210.7000, -9.1640, -32.1720



114.8490, 1.7430, -4.0570



145.1170, 27.7050, -67.1030



43.3590, 8.3940, -19.9740



# Inverse Universe

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



179.4330, -10.5040, 25.1760



183.6210, -13.6690, 32.9790



189.3000, 9.1640, 32.1720



108.1510, -1.7430, 4.0570



35.8830, -27.7050, 67.1030

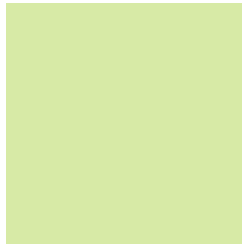


10.6410, -8.3940, 19.9740



# Previews

## White Background



This preview shows how the YIQ color 220.5670, 10.5040, -25.1760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

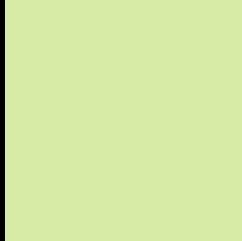
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 220.5670, 10.5040, -25.1760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

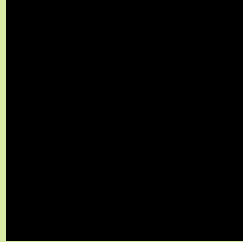
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 220.5670, 10.5040, -25.1760

## Background



This preview shows how black text looks on a background with the YIQ color 220.5670, 10.5040, -25.1760.



This preview shows how white text looks on a background with the YIQ color 220.5670, 10.5040, -25.1760.

-25.1760.

# 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

220.5670, 10.5040, -25.1760

### Protanopia

223.7870, 30.6760, -16.3000

### Deuteranopia

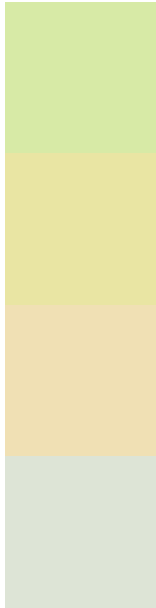
226.2300, 31.4070, -2.0090



## Tritanopia

226.3510, -5.1820, 5.8100

# Trichromacy



**Original Color**

220.5670, 10.5040, -25.1760

**Protanomaly**

222.6720, 23.5700, -19.6780

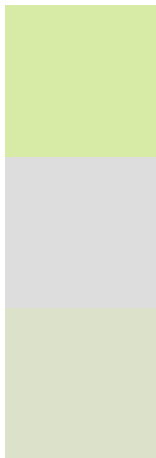
**Deuteranomaly**

223.7680, 23.6600, -10.2920

**Tritanomaly**

224.3110, 0.3220, -5.8380

# Monochromacy



**Original Color**

220.5670, 10.5040, -25.1760

**Achromatopsia**

221.0000, 0.0000, 0.0000

**Achromatomaly**

221.0570, 3.8530, -9.2590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 220.5670, 10.5040, -25.1760 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(215, 234, 166)` looks like.

```
.text, #text, p{  
    color:rgb(215, 234, 166)  
}
```

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(215, 234, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 234, 166) }
```

## Border

The CSS property to change the border of an element to YIQ 220.5670, 10.5040, -25.1760 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(215, 234, 166) }
```



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

```
.border{ border-color:rgb(215, 234, 166) }
```

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

Here you see how a box with a 4 pixel rgb(215, 234, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 234, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 234, 166);  
box-shadow:4px 4px 4px 4px rgb(215, 234,  
166) }
```

# Background

The CSS property to change the background color of an element to YIQ 220.5670, 10.5040, -25.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 234, 166) }
```

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

```
.background{ background-color: rgb(215,  
234, 166) }
```

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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