

# Converting Colors

YIQ(224.6620, 3.1670, -18.8570)

Have a look what the booklet for  
YIQ(224.6620, 3.1670, -18.8570)  
contains.

<b>YIQ(224.6620, 3.1670, -18.8570)</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(224.6620, 3.1670,  
-18.8570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8ECBD
RGB	216, 236, 189
RGB Percent	85%, 93%, 74%
CMY	0.1530, 0.0745, 0.2588
CMYK	0.08, 0.00, 0.20, 0.07
HSL	86°, 55%, 83%
HSV	86°, 20%, 93%
XYZ	67.4976, 78.2663, 59.7006
YIQ	224.6620, 3.1670, -18.8570

# Conversions

## Conversions Part 2

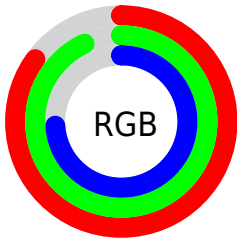
Format	Color
R <sub>YB</sub>	189, 236, 209
Decimal	14216381
CIE <sub>Lab</sub>	90.90, -14.69, 20.62
CIE <sub>LCh</sub>	91, 25.318, 125.478
Yxy	78.2663, 0.3285, 0.3809
Android (android.graphics.Color)	4292406461 (0xFFD8ECBD)
YUV	224.6620, -17.5814, -7.5966
Hunter-Lab	88.4682, -18.6313, 21.9174

# Details

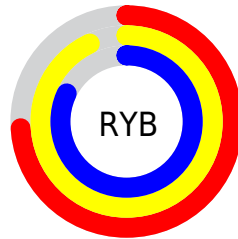
The YIQ color  $224.6620, 3.1670, -18.8570$  is a light color, and the websafe version is hex  $FFFFCC$ . A complement of this color would be  $200.3380, -3.1670, 18.8570$ , and the grayscale version is  $225.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $253.8600, 3.2100, -3.1100$ , and  $169.3030, 2.8000, -17.7120$  is the 20% darker color. If you saturate the color by 10%, you get  $218.9360, 4.9110, -28.4410$ , and if you desaturate by 10%, it is  $230.3880, 1.4230, -9.2730$ .

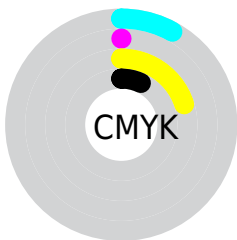
# Distribution



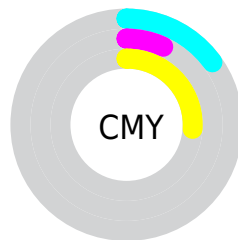
- Red (85%)
- Green (93%)
- Blue (74%)



- Red (74%)
- Yellow (93%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 224.6620, 3.1670, -18.8570 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 224.6620, 3.1670, -18.8570 by changing the saturation by 10% instead.



■ 224.6620, 3.1670,  
-18.8570

■ 224.6620, 3.1670,  
-18.8570

255.0000, -0.0000,  
-0.0000

■ 196.7760, 2.8460,  
-18.5460

■ 253.8600, 3.2100,  
-3.1100

■ 169.3030, 2.8000,  
-17.7120

■ 142.4170, 2.4790,  
-17.4010

■ 116.8300, 2.7540,  
-16.8780

■ 92.0580, 2.1120,  
-16.2560

■ 68.2860, 1.4700,  
-15.6340

■ 45.6990, 1.7450,

-15.1110

■ 25.6390, 1.9740,  
-13.7540

■ 3.5220, -1.6500,  
-3.1380

■ 224.6620, 3.1670,  
-18.8570

■ 224.6620, 3.1670,  
-18.8570

■ 218.9360, 4.9110,  
-28.4410

■ 230.3880, 1.4230,  
-9.2730

■ 213.3240, 6.3340,  
-37.7140

■ 236.0000, 0.0000,  
-0.0000

■ 207.5980, 8.0780,  
-47.2980

■ 241.1560, -0.1390,  
8.0290

■ 201.9860, 9.5010,  
-56.5710

■ 243.8470, 5.2250,  
9.9370

■ 196.2600, 11.2450,  
-66.1550

■ 190.5340, 12.9890,  
-75.7390

■ 184.9220, 14.4120,  
-85.0120

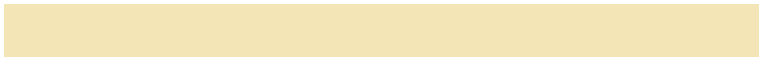
■ 179.1960, 16.1560,  
-94.5960

■ 178.8970, 15.5600,  
-94.8080

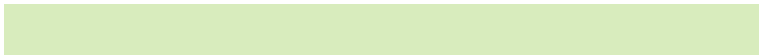
# Harmonies

## Analogous

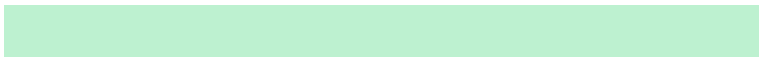
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227.7140, 23.7520, -11.9600



224.6620, 3.1670, -18.8570



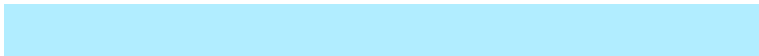
221.6900, -20.3990, -21.2870

# Triad

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



224.6620, 3.1670, -18.8570



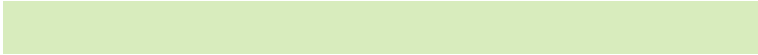
221.1120, -41.5380, -7.1220



226.3390, 21.4550, 13.1590

# Complementary

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



224.6620, 3.1670, -18.8570



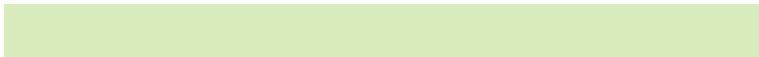
200.3380, -3.1670, 18.8570

# Split Complementary

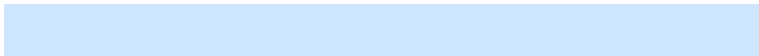
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230.3630, 12.8800, 19.8880



224.6620, 3.1670, -18.8570



225.9730, -21.7330, 2.8990

# Square

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



224.6620, 3.1670, -18.8570



219.5620, -51.8530, -12.9170



230.2580, -0.1860, 14.3900

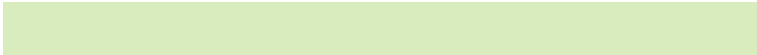


224.8910, 28.2880, 4.9600

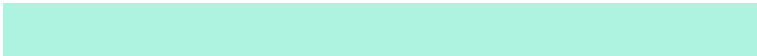


# Rectangle

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



224.6620, 3.1670, -18.8570



220.2030, -35.0250, -20.5370



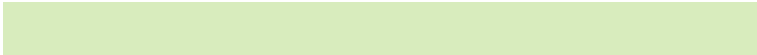
230.2580, -0.1860, 14.3900



227.3650, 18.5660, 15.9580

# Sweetspot

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



224.6620, 3.1670, -18.8570



251.1970, 0.6430, -6.1490



214.7930, 22.5120, -0.4960



125.7780, 0.5050, -3.6470



0.0000, 0.0000, 0.0000

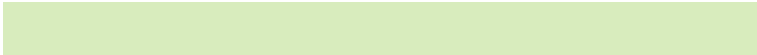


128.0000, -0.0000, -0.0000

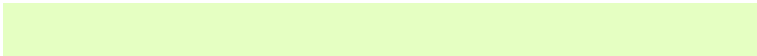


# Same Dimension

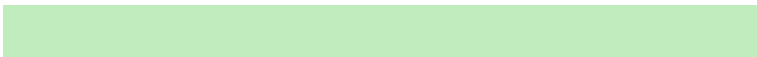
The Same Dimension uses a secret algorithm to generate beautiful new colors.



224.6620, 3.1670, -18.8570



240.2720, 4.0850, -24.4830



217.7850, -10.5410, -23.7330



114.2510, 0.5510, -4.4810



137.3430, 12.2090, -72.6150



40.9670, 3.6260, -21.6700



# Inverse Universe

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



200.3380, -3.1670, 18.8570



208.7280, -4.0850, 24.4830



207.2150, 10.5410, 23.7330



108.7490, -0.5510, 4.4810



43.6570, -12.2090, 72.6150

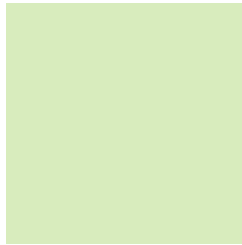


13.0330, -3.6260, 21.6700



# Previews

## White Background



This preview shows how the YIQ color 224.6620, 3.1670, -18.8570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

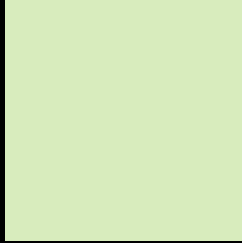
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 224.6620, 3.1670, -18.8570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

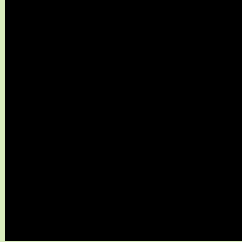
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

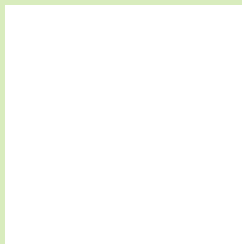
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 224.6620, 3.1670, -18.8570

## Background



This preview shows how black text looks on a background with the YIQ color 224.6620, 3.1670, -18.8570.



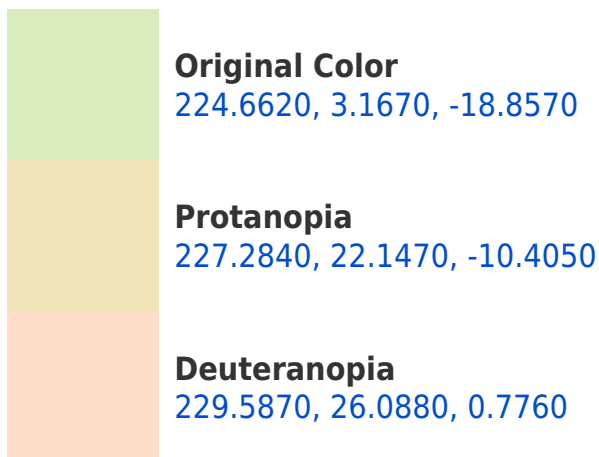
This preview shows how white text looks on a background with the YIQ color 224.6620, 3.1670, -18.8570.

-18.8570.

# 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

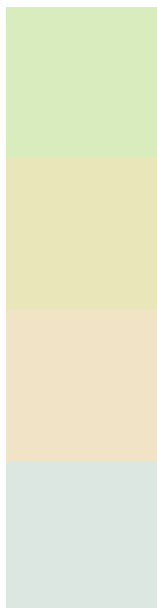




## Tritanopia

228.8560, -8.1620, 4.7500

# Trichromacy



## Original Color

224.6620, 3.1670, -18.8570

## Protanomaly

226.4680, 15.6370, -13.5710

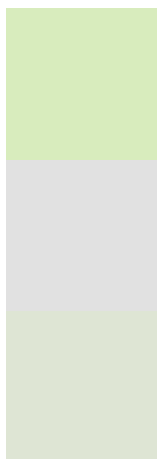
## Deuteranomaly

227.7660, 17.9740, -6.3620

## Tritanomaly

227.3260, -4.0340, -3.9860

# Monochromacy



## Original Color

224.6620, 3.1670, -18.8570

## Achromatopsia

225.0000, -0.0000, -0.0000

## Achromatomaly

224.9690, 1.2850, -6.7710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 224.6620, 3.1670, -18.8570 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(216, 236, 189)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 189)  
}
```

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(216, 236, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 189) }
```

## Border

The CSS property to change the border of an element to YIQ 224.6620, 3.1670, -18.8570 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(216, 236, 189) }
```



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

```
.border{ border-color:rgb(216, 236, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 189);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
189) }
```

# Background

The CSS property to change the background color of an element to YIQ 224.6620, 3.1670, -18.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 189) }
```

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

```
.background{ background-color: rgb(216,  
236, 189) }
```

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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