

# Converting Colors

YIQ(199.2720, 4.0850, -24.4830)

Have a look what the booklet for  
YIQ(199.2720, 4.0850, -24.4830)  
contains.

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# Color

**YIQ(199.2720, 4.0850,  
-24.4830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCD699
RGB	188, 214, 153
RGB Percent	74%, 84%, 60%
CMY	0.2628, 0.1607, 0.3999
CMYK	0.12, 0.00, 0.29, 0.16
HSL	86°, 43%, 72%
HSV	86°, 29%, 84%
XYZ	50.5332, 61.0872, 39.2716
YIQ	199.2720, 4.0850, -24.4830

# Conversions

## Conversions Part 2

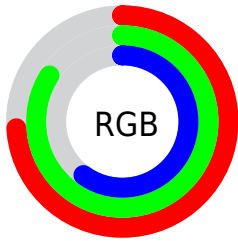
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 214, 179
Decimal	12375705
CIELab	82.43, -19.19, 27.33
CIElCh	82, 33.399, 125.072
Yxy	61.0872, 0.3349, 0.4048
Android (android.graphics.Color)	4290565785 (0xFFBCD699)
YUV	199.2720, -22.8121, -9.8855
Hunter-Lab	78.1583, -21.3680, 24.9198

# Details

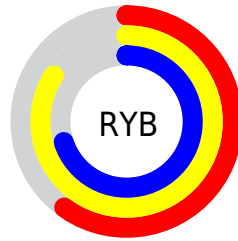
The YIQ color  $199.2720, 4.0850, -24.4830$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $167.7280, -4.0850, 24.4830$ , and the grayscale version is  $199.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.6520, 9.1270, -16.7370$ , and  $144.9130, 3.7180, -23.3380$  is the 20% darker color. If you saturate the color by 10%, you get  $194.1870, 5.4620, -32.9220$ , and if you desaturate by 10%, it is  $204.3570, 2.7080, -16.0440$ .

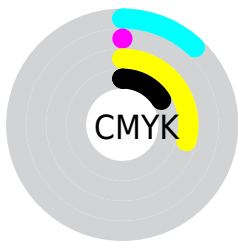
# Distribution



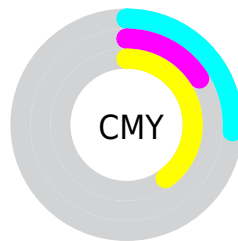
- Red (74%)
- Green (84%)
- Blue (60%)



- Red (60%)
- Yellow (84%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)



- Cyan (26%)
- Magenta (16%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 199.2720, 4.0850, -24.4830 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 199.2720, 4.0850, -24.4830 by changing the saturation by 10% instead.



■ 199.2720, 4.0850,  
-24.4830

■ 199.2720, 4.0850,  
-24.4830

■ 255.0000, -0.0000,  
-0.0000

■ 171.7990, 4.0390,  
-23.6490

■ 246.6520, 9.1270,  
-16.7370

■ 144.9130, 3.7180,  
-23.3380

■ 252.8340, 6.0990,  
-5.9090

■ 119.1410, 3.0760,  
-22.7160

■ 94.2550, 2.7550,  
-22.4050

■ 69.8960, 2.3880,  
-21.2600

■ 46.8960, 2.3880,  
-21.2600

■ 26.4920, -2.1060,

-16.9060

■ 9.3920, -4.4000,  
-8.3680

■ 0.0000, 0.0000,  
0.0000

■ 199.2720, 4.0850,  
-24.4830

■ 199.2720, 4.0850,  
-24.4830

■ 194.1870, 5.4620,  
-32.9220

■ 204.3570, 2.7080,  
-16.0440

■ 188.9880, 7.1600,  
-41.6720

■ 209.5560, 1.0100,  
-7.2940

■ 183.9030, 8.5370,  
-50.1110

■ 214.6410, -0.3670,  
1.1450

■ 178.4050, 9.6390,  
-59.0730

■ 220.1390, -1.4690,  
10.1070

■ 173.3200, 11.0160,  
-67.5120

■ 224.6540, -1.2410,  
16.9910

■ 168.2350, 12.3930,  
-75.9510

■ 227.3450, 4.1230,  
18.8990

■ 163.0360, 14.0910,  
-84.7010

■ 230.0360, 9.4870,  
20.8070

■ 162.3950, 14.4580,  
-85.8460

■ 230.9330, 11.2750,  
21.4430

# Harmonies

## Analogous

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



202.9010, 30.3550, -15.9890



199.2720, 4.0850, -24.4830



194.8800, -27.0460, -27.4780

# Triad

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



199.2720, 4.0850, -24.4830



193.8460, -64.0960, -5.7920



205.9930, 37.4090, 21.3850

# Complementary

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



199.2720, 4.0850, -24.4830



167.7280, -4.0850, 24.4830

# 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.



210.3800, 23.3780, 27.8740



199.2720, 4.0850, -24.4830



201.4200, -35.9930, 8.0310

# Square

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



199.2720, 4.0850, -24.4830



188.7810, -74.6390, -18.4710



208.4180, -6.1480, 23.3240



204.3340, 46.2140, 10.4860



# Rectangle

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



199.2720, 4.0850, -24.4830



191.5710, -48.0450, -26.8690



208.4180, -6.1480, 23.3240



207.2470, 33.8780, 24.8060

# Sweetspot

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



199.2720, 4.0850, -24.4830



249.3880, 1.4230, -9.2730



185.9140, 29.4810, -0.1430



124.4960, 1.2390, -5.9370



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

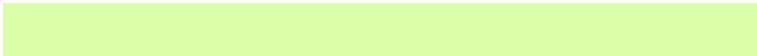


# Same Dimension

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



199.2720, 4.0850, -24.4830



234.0190, 5.8750, -34.9010



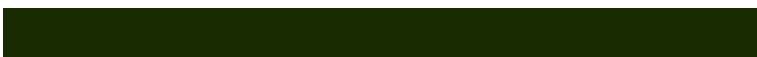
190.3020, -13.7950, -30.8430



104.5500, 1.1470, -4.2690



129.6790, 11.3830, -68.6570



32.7160, 3.0750, -17.1890



# Inverse Universe

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



167.7280, -4.0850, 24.4830



188.9810, -5.8750, 34.9010



176.6980, 13.7950, 30.8430



98.7490, -0.5510, 4.4810



41.3210, -11.3830, 68.6570

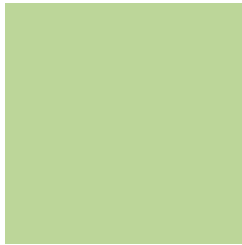


10.5830, -2.4790, 17.4010



# Previews

## White Background



This preview shows how the YIQ color 199.2720, 4.0850, -24.4830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

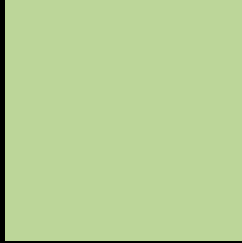
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 199.2720, 4.0850, -24.4830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

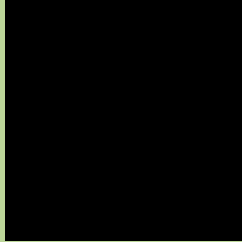
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

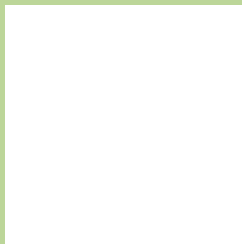
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 199.2720, 4.0850, -24.4830

## Background



This preview shows how black text looks on a background with the YIQ color 199.2720, 4.0850, -24.4830.



This preview shows how white text looks on a background with the YIQ color 199.2720, 4.0850,

-24.4830.

# 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

199.2720, 4.0850, -24.4830

### Protanopia

203.1010, 26.9160, -14.2360

### Deuteranopia

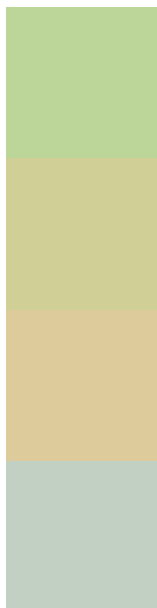
204.7100, 38.7430, -2.8010



## Tritanopia

204.7310, -9.3080, 3.4920

# Trichromacy



## Original Color

199.2720, 4.0850, -24.4830

## Protanomaly

201.3880, 18.6180, -18.0380

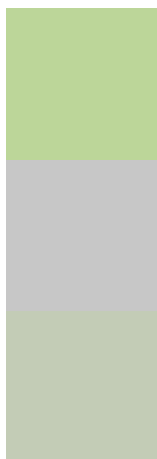
## Deuteranomaly

203.0240, 25.8150, -10.8010

## Tritanomaly

202.4460, -4.4920, -6.7000

# Monochromacy



## Original Color

199.2720, 4.0850, -24.4830

## Achromatopsia

199.0000, -0.0000, 0.0000

## Achromatomaly

198.8010, 1.6980, -8.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 199.2720, 4.0850, -24.4830 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(188, 214, 153)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 153)  
}
```

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(188, 214, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 199.2720, 4.0850, -24.4830 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(188, 214, 153) }
```



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

```
.border{ border-color:rgb(188, 214, 153) }
```

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

Here you see how a box with a 4 pixel rgb(188, 214, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 153);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 199.2720, 4.0850, -24.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 153) }
```

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

```
.background{ background-color: rgb(188,  
214, 153) }
```

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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