

# Converting Colors

YIQ(148.8720, 64.8300, 3.5020)

Have a look what the booklet for  
YIQ(148.8720, 64.8300, 3.5020)  
contains.

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# Color

**YIQ(148.8720, 64.8300,  
3.5020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D58153
RGB	213, 129, 83
RGB Percent	84%, 51%, 33%
CMY	0.1645, 0.4942, 0.6742
CMYK	0.00, 0.39, 0.61, 0.16
HSL	21°, 61%, 58%
HSV	21°, 61%, 84%
XYZ	36.8631, 30.4695, 12.1371
YIQ	148.8720, 64.8300, 3.5020

# Conversions

## Conversions Part 2

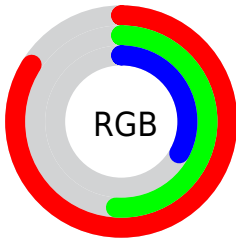
Format	Color
R <sub>Y</sub> B	213, 154, 83
Decimal	13992275
CIE Lab	62.06, 28.18, 38.33
CIE LCh	62, 47.572, 53.678
Yxy	30.4695, 0.4639, 0.3834
Android (android.graphics.Color)	4292182355 (0xFFD58153)
YUV	148.8720, -32.4749, 56.2403
Hunter-Lab	55.1992, 22.6070, 25.6029

# Details

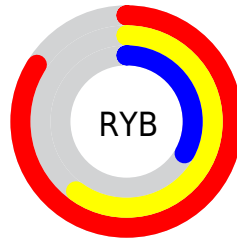
The YIQ color **148.8720, 64.8300, 3.5020** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **147.1280, -64.8300, -3.5020**, and the grayscale version is **149.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **198.9420, 58.6410, 0.0250**, and **96.5230, 58.5030, 2.5270** is the 20% darker color. If you saturate the color by 10%, you get **138.2600, 75.4210, 4.2930**, and if you desaturate by 10%, it is **159.4840, 54.2390, 2.7110**.

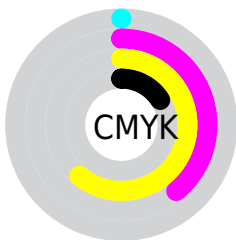
# Distribution



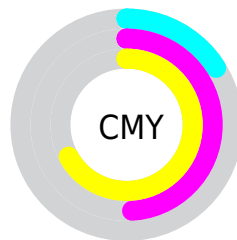
- Red (84%)
- Green (51%)
- Blue (33%)



- Red (84%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (61%)
- Black (16%)




- Cyan (16%)
- Magenta (49%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 148.8720, 64.8300, 3.5020 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 148.8720, 64.8300, 3.5020 by changing the saturation by 10% instead.





 148.8720, 64.8300,  
3.5020


 148.8720, 64.8300,  
3.5020


255.0000, -0.0000,  
-0.0000

 121.9040, 61.8040,  
3.2760


 198.3550, 58.9160,  
0.5480


 96.5230, 58.5030,  
2.5270


 217.7550, 42.8700,  
-6.0100

 71.0280, 55.5230,  
1.4670


 237.8560, 26.2280,  
-12.7800

 47.2000, 49.2870,  
4.3510

 250.4400, 12.8400,  
-12.4400

 24.7400, 39.1990,  
10.9670

 253.7460, 3.5310,  
-3.4210

 13.4550, 26.8200,  
9.5400

 0.0000, 0.0000,

0.0000

■ 148.8720, 64.8300,  
3.5020

■ 148.8720, 64.8300,  
3.5020

■ 138.2600, 75.4210,  
4.2930

■ 159.4840, 54.2390,  
2.7110

■ 127.5340, 86.3330,  
4.7730

■ 170.2100, 43.3270,  
2.2310

■ 117.5090, 96.6490,  
5.0410

■ 180.2350, 33.0110,  
1.9630

■ 107.7120,  
106.3230, 5.9310

■ 190.8470, 22.4200,  
1.1720

■ 201.5730, 11.5080,  
0.6920

■ 212.1850, 0.9170,  
-0.0990

■ 222.2100, -9.3990,  
-0.3670

■ 232.9360,  
-20.3110, -0.8470

■ 241.2680,  
-24.4820, -7.8580

# Harmonies

## Analogous

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



149.7160, 66.1100, 24.3660



148.8720, 64.8300, 3.5020



146.7150, 48.3740, -17.6580

# Triad

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



148.8720, 64.8300, 3.5020



116.2230, -91.6440, -46.2040



150.4940, -29.6690, 25.5870

# Complementary

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



148.8720, 64.8300, 3.5020



147.1280, -64.8300, -3.5020

# 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.



129.7840, -95.9160, -1.8040



148.8720, 64.8300, 3.5020



121.2390, -105.7680, -32.5200

# Square

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



148.8720, 64.8300, 3.5020



135.5240, -23.4680, -37.2600



122.7670, -115.5820, -19.8540



154.4690, 16.1780, 37.2180



# Rectangle

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



148.8720, 64.8300, 3.5020



144.3380, 30.0820, -27.5660



122.7670, -115.5820, -19.8540



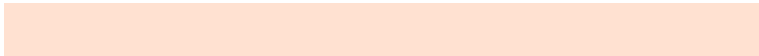
147.1110, -47.8240, 18.7040

# Sweetspot

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



148.8720, 64.8300, 3.5020



232.1460, 23.0160, 1.3840



131.5600, 50.1950, 53.9950



113.5410, 14.5340, 0.9180



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.



148.8720, 64.8300, 3.5020



163.3560, 92.7060, 4.9140



187.0270, 46.9550, -30.4930



101.6370, 5.4560, 0.2400



86.3490, 85.4160, 4.8720



21.6620, 21.5030, 1.2710



# Inverse Universe

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



147.1280, -64.8300, -3.5020



160.6440, -92.7060, -4.9140



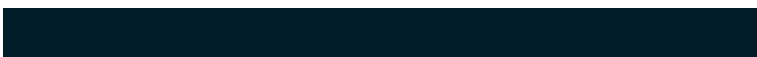
109.5600, -47.2300, 29.9700



101.3630, -5.4560, -0.2400



84.6510, -85.4160, -4.8720



21.3380, -21.5030, -1.2710



# Previews

## White Background



This preview shows how the YIQ color 148.8720, 64.8300, 3.5020 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 148.8720, 64.8300, 3.5020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

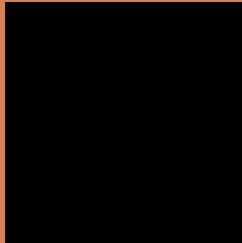
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 148.8720, 64.8300, 3.5020**

## **Background**



This preview shows how black text looks on a background with the YIQ color 148.8720, 64.8300, 3.5020.



This preview shows how white text looks on a background with the YIQ color 148.8720, 64.8300,



# 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

148.8720, 64.8300, 3.5020

### Protanopia

147.4600, 27.2830, -15.3810

### Deuteranopia

148.0770, 44.6590, -10.9010



## Tritanopia

151.8330, 52.5390, 22.5150

# Trichromacy



## Original Color

148.8720, 64.8300, 3.5020

## Protanomaly

147.8040, 41.1740, -8.3140

## Deuteranomaly

148.5450, 52.2690, -5.6430

## Tritanomaly

150.6560, 57.1710, 15.6590

# Monochromacy



## Original Color

148.8720, 64.8300, 3.5020

## Achromatopsia

149.0000, 0.0000, -0.0000

## Achromatomaly

149.0320, 23.3370, 1.0730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 148.8720, 64.8300, 3.5020 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, 129, 83)` looks like.

```
.text, #text, p{  
    color:rgb(213, 129, 83)  
}
```

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, 129, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 129, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 148.8720, 64.8300, 3.5020 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, 129, 83) }
```



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

```
.border{ border-color:rgb(213, 129, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 129, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 129, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 129, 83);  
box-shadow:4px 4px 4px 4px rgb(213, 129,  
83) }
```

# Background

The CSS property to change the background color of an element to YIQ 148.8720, 64.8300, 3.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 129, 83) }
```

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

```
.background{ background-color: rgb(213,  
129, 83) }
```

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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