

# Converting Colors

YIQ(102.5640, -1.4680, 4.5800)

Have a look what the booklet for  
YIQ(102.5640, -1.4680, 4.5800)  
contains.

<b>YIQ(102.5640, -1.4680, 4.5800)</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(102.5640, -1.4680,  
4.5800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	686470
RGB	104, 100, 112
RGB Percent	41%, 39%, 44%
CMY	0.5921, 0.6078, 0.5608
CMYK	0.07, 0.11, 0.00, 0.56
HSL	260°, 6%, 42%
HSV	260°, 11%, 44%
XYZ	13.1909, 13.2271, 17.1860
YIQ	102.5640, -1.4680, 4.5800

# Conversions

## Conversions Part 2

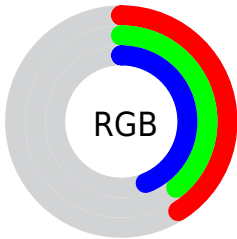
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 100, 112
Decimal	6841456
CIE Lab	43.10, 4.11, -6.18
CIE LCh	43, 7.426, 303.635
Yxy	13.2271, 0.3025, 0.3033
Android (android.graphics.Color)	4285031536 (0xFF686470)
YUV	102.5640, 4.6519, 1.2594
Hunter-Lab	36.3691, 1.0950, -2.5587

# Details

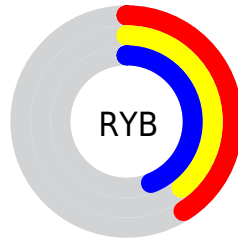
The YIQ color **102.5640, -1.4680, 4.5800** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **109.4360, 1.4680, -4.5800**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.6780, -1.7890, 4.8910**, and **55.4500, -1.1470, 4.2690** is the 20% darker color. If you saturate the color by 10%, you get **94.0140, -2.6150, 8.8490**, and if you desaturate by 10%, it is **111.1140, -0.3210, 0.3110**.

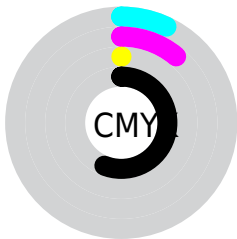
# Distribution



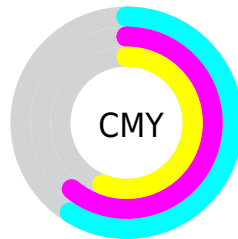
- Red (41%)
- Green (39%)
- Blue (44%)



- Red (41%)
- Yellow (39%)
- Blue (44%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (61%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.5640, -1.4680, 4.5800 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 102.5640, -1.4680, 4.5800 by changing the saturation by 10% instead.



■ 102.5640, -1.4680,  
4.5800

■ 102.5640, -1.4680,  
4.5800

255.0000, -0.0000,  
-0.0000

■ 78.5640, -1.4680,  
4.5800

■ 153.6780, -1.7890,  
4.8910

■ 55.4500, -1.1470,  
4.2690

■ 180.0910, -1.5140,  
5.4140

■ 34.0370, -1.4220,  
3.7460

■ 208.0910, -1.5140,  
5.4140

■ 11.9770, -1.1930,  
5.1030

■ 236.0910, -1.5140,  
5.4140

■ 0.0000, 0.0000,  
0.0000

■ 102.5640, -1.4680,

■ 102.5640, -1.4680,

4.5800

■ 94.0140, -2.6150,  
8.8490

■ 85.1650, -4.3580,  
12.9060

■ 76.0280, -5.2300,  
17.6980

■ 67.1790, -6.9730,  
21.7550

■ 58.6290, -8.1200,  
26.0240

■ 49.7800, -9.8630,  
30.0810

■ 41.2300, -11.0100,  
34.3500

■ 31.7940, -12.4780,  
38.9300

4.5800

■ 111.1140, -0.3210,  
0.3110

■ 119.9630, 1.4220,  
-3.7460

■ 129.1000, 2.2940,  
-8.5380

■ 137.9490, 4.0370,  
-12.5950

■ 146.4990, 5.1840,  
-16.8640

■ 155.3480, 6.9270,  
-20.9210

■ 163.8980, 8.0740,  
-25.1900

■ 173.3340, 9.5420,  
-29.7700

■ 23.8310, -13.9000,  
42.6760

■ 181.8840, 10.6890,  
-34.0390

# Harmonies

## Analogous

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



101.5740, -7.4280, 2.4600



102.5640, -1.4680, 4.5800



102.9130, 4.8590, 5.5550

# Triad

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



102.5640, -1.4680, 4.5800



102.5620, 10.0410, -0.2550



99.5750, -9.1690, -4.5370

# Complementary

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



102.5640, -1.4680, 4.5800



109.4360, 1.4680, -4.5800

# 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.



100.0870, -4.8590, -5.5550



102.5640, -1.4680, 4.5800



101.8280, 6.2360, -2.8840

# Square

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



102.5640, -1.4680, 4.5800



102.7410, 11.0950, 2.6710



101.1370, 0.8720, -4.7920



99.9600, -11.6910, -2.8830



# Rectangle

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



102.5640, -1.4680, 4.5800



103.3540, 7.9310, 4.9470



101.1370, 0.8720, -4.7920



99.6460, -7.9310, -4.9470

# Sweetspot

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



102.5640, -1.4680, 4.5800



141.7550, -0.6880, 1.4560



106.0640, -6.0520, -0.4520



71.6410, -0.3670, 1.1450



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



102.5640, -1.4680, 4.5800



130.2590, -1.9270, 7.3930



104.3580, 2.1080, 5.8520



51.2820, -0.7340, 2.2900



25.6400, -14.6800, 45.8000



52.9750, -29.8190, 94.4130



# Inverse Universe

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



104.5000, 4.5840, 5.0320



133.1630, 7.1510, 8.0710



107.6420, -2.1080, -5.8520



52.2500, 2.2920, 2.5160



45.0000, 45.8400, 50.3200



92.6630, 94.2470, 103.6790



# Previews

## White Background



This preview shows how the YIQ color 102.5640, -1.4680, 4.5800 looks on a white 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 × Fail



# Black Background



This preview shows how the YIQ color 102.5640, -1.4680, 4.5800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

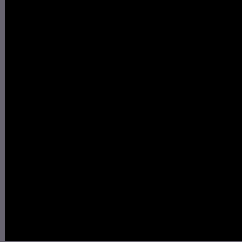
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 102.5640, -1.4680, 4.5800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 102.5640, -1.4680, 4.5800.



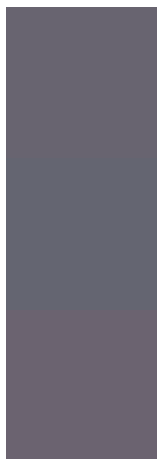
This preview shows how white text looks on a background with the YIQ color 102.5640, -1.4680,

4.5800.

# 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

102.5640, -1.4680, 4.5800

### Protanopia

102.0690, -4.4480, 3.5200

### Deuteranopia

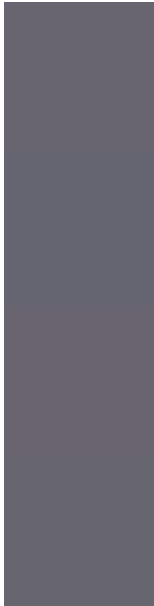
102.8740, 0.5950, 5.7390



## Tritanopia

102.5100, -1.3760, 2.9120

# Trichromacy



## Original Color

102.5640, -1.4680, 4.5800

## Protanomaly

102.3680, -3.8520, 3.7320

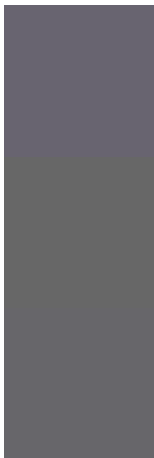
## Deuteranomaly

102.5750, -0.0010, 5.5270

## Tritanomaly

102.6240, -1.6970, 3.2230

# Monochromacy



## Original Color

102.5640, -1.4680, 4.5800

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.7550, -0.6880, 1.4560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.5640, -1.4680, 4.5800 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(104, 100, 112)` looks like.

```
.text, #text, p{  
    color:rgb(104, 100, 112)  
}
```

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(104, 100, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 100, 112) }
```

## Border

The CSS property to change the border of an element to YIQ 102.5640, -1.4680, 4.5800 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(104, 100, 112) }
```



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

```
.border{ border-color:rgb(104, 100, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 100, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 100, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 100, 112);  
box-shadow:4px 4px 4px 4px rgb(104, 100,  
112) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.5640, -1.4680, 4.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 100, 112) }
```

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

```
.background{ background-color: rgb(104,  
100, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor