

# Converting Colors

YIQ(127.8620, 18.0640, 3.0240)

Have a look what the booklet for  
YIQ(127.8620, 18.0640, 3.0240)  
contains.

<b>YIQ(127.8620, 18.0640, 3.0240)</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(127.8620, 18.0640,  
3.0240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	937971
RGB	147, 121, 113
RGB Percent	58%, 47%, 44%
CMY	0.4235, 0.5255, 0.5568
CMYK	0.00, 0.18, 0.23, 0.42
HSL	14°, 14%, 51%
HSV	14°, 23%, 58%
XYZ	21.8530, 21.0692, 18.5436
YIQ	127.8620, 18.0640, 3.0240

# Conversions

## Conversions Part 2

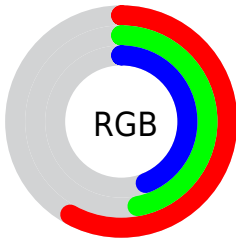
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 123, 113
Decimal	9664881
CIE Lab	53.03, 8.79, 8.15
CIE LCh	53, 11.985, 42.839
Yxy	21.0692, 0.3555, 0.3428
Android (android.graphics.Color)	4287854961 (0xFF937971)
YUV	127.8620, -7.3270, 16.7840
Hunter-Lab	45.9012, 4.6548, 8.1782

# Details

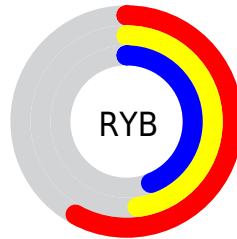
The YIQ color **127.8620, 18.0640, 3.0240** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **132.1380, -18.0640, -3.0240**, and the grayscale version is **128.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **180.4600, 19.2560, 3.4480**, and **78.3780, 16.5510, 2.9110** is the 20% darker color. If you saturate the color by 10%, you get **119.6950, 25.9040, 4.1120**, and if you desaturate by 10%, it is **136.0290, 10.2240, 1.9360**.

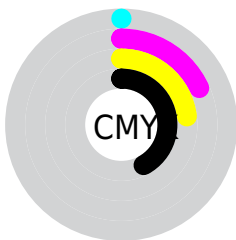
# Distribution



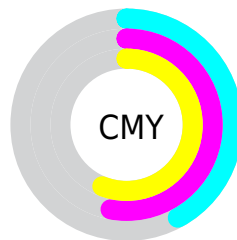
- Red (58%)
- Green (47%)
- Blue (44%)



- Red (58%)
- Yellow (48%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (23%)
- Black (42%)



- Cyan (42%)
- Magenta (53%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 127.8620, 18.0640, 3.0240 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 127.8620, 18.0640, 3.0240 by changing the saturation by 10% instead.



127.8620, 18.0640,  
3.0240

127.8620, 18.0640,  
3.0240

255.0000, -0.0000,  
-0.0000

102.6770, 17.1470,  
3.1230

180.4600, 19.2560,  
3.4480

78.3780, 16.5510,  
2.9110

208.6450, 20.1730,  
3.3490

55.7800, 15.3590,  
2.4870

235.7480, 18.3850,  
2.7130

33.9970, 13.2500,  
2.1620

254.2020, 2.2470,  
-2.1770

11.0190, 16.1840,  
4.0560

0.0000, 0.0000,  
0.0000

■ 127.8620, 18.0640,  
3.0240

■ 127.8620, 18.0640,  
3.0240

■ 119.6950, 25.9040,  
4.1120

■ 136.0290, 10.2240,  
1.9360

■ 111.0550, 33.6980,  
6.0340

■ 144.6690, 2.4300,  
0.0140

■ 102.8880, 41.5380,  
7.1220

■ 152.8360, -5.4100,  
-1.0740

■ 94.7210, 49.3780,  
8.2100

■ 161.0030,  
-13.2500, -2.1620

■ 86.6680, 56.8970,  
9.6090

■ 169.1700,  
-21.0900, -3.2500

■ 77.9140, 65.0120,  
11.2200

■ 177.8100,  
-28.8840, -5.1720

■ 69.7470, 72.8520,  
12.3080

■ 185.9770,  
-36.7240, -6.2600

■ 63.9110, 78.2620,

■ 194.1440,

13.3820

-44.5640, -7.3480

■ 202.1970,  
-52.0830, -8.7470

# Harmonies

## Analogous

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



128.6000, 16.0460, 6.5580



127.8620, 18.0640, 3.0240



126.8460, 14.9930, -1.8950

# Triad

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



127.8620, 18.0640, 3.0240



123.4560, -10.4520, -8.8200



126.8990, -9.7210, 5.4710

# Complementary

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



127.8620, 18.0640, 3.0240



132.1380, -18.0640, -3.0240

# 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.



124.9580, -17.3770, 1.0470



127.8620, 18.0640, 3.0240



123.2040, -18.4300, -7.4060

# Square

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



127.8620, 18.0640, 3.0240



124.2460, -1.0530, -8.4530



123.6430, -21.0440, -4.0840



128.4550, 0.4570, 8.2410



# Rectangle

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



127.8620, 18.0640, 3.0240



126.1120, 11.1880, -4.5240



123.6430, -21.0440, -4.0840



126.2900, -12.3800, 4.1000

# Sweetspot

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



127.8620, 18.0640, 3.0240



183.6480, 6.9230, 1.1870



126.1300, 11.9180, 15.2940



92.5660, 4.2180, 0.6500



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



127.8620, 18.0640, 3.0240



160.8910, 28.2880, 4.9600



137.8410, 13.3890, -5.8670



69.6800, 3.8970, 0.9610



60.0460, 73.4480, 12.5200



4.1640, 5.4100, 1.0740



# Inverse Universe

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



132.1380, -18.0640, -3.0240



168.1090, -28.2880, -4.9600



122.1590, -13.3890, 5.8670



70.7330, -3.6220, -0.4380



77.3670, -73.1730, -11.9970



5.8360, -5.4100, -1.0740



# Previews

## White Background



This preview shows how the YIQ color 127.8620, 18.0640, 3.0240 looks on a white 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



# Black Background



This preview shows how the YIQ color 127.8620, 18.0640, 3.0240 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 × Fail

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

# YIQ 127.8620, 18.0640, 3.0240

## Background



This preview shows how black text looks on a background with the YIQ color 127.8620, 18.0640, 3.0240.



This preview shows how white text looks on a background with the YIQ color 127.8620, 18.0640,



# 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

127.8620, 18.0640, 3.0240

### Protanopia

126.6540, 6.7860, -1.8380

### Deuteranopia

127.5520, 16.0010, 1.8650



## Tritanopia

128.9960, 14.9910, 9.1590

# Trichromacy



## Original Color

127.8620, 18.0640, 3.0240

## Protanomaly

126.8610, 10.6370, -0.0430

## Deuteranomaly

127.8510, 16.5970, 2.0770

## Tritanomaly

128.7140, 15.7250, 6.8690

# Monochromacy



## Original Color

127.8620, 18.0640, 3.0240

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

127.7620, 6.6020, 1.4980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 127.8620, 18.0640, 3.0240 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(147, 121, 113)` looks like.

```
.text, #text, p{  
    color:rgb(147, 121, 113)  
}
```

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(147, 121, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 121, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 127.8620, 18.0640, 3.0240 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(147, 121, 113) }
```



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

```
.border{ border-color:rgb(147, 121, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 121, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 121, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 121, 113);  
box-shadow:4px 4px 4px 4px rgb(147, 121,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 127.8620, 18.0640, 3.0240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 121, 113) }
```

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

```
.background{ background-color: rgb(147,  
121, 113) }
```

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