

Converting Colors

YIQ(90.8690, 8.1590, 11.8310)

Have a look what the booklet for
YIQ(90.8690, 8.1590, 11.8310)
contains.

YIQ(90.8690, 8.1590, 11.8310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(90.8690, 8.1590,
11.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5166
RGB	106, 81, 102
RGB Percent	42%, 32%, 40%
CMY	0.5842, 0.6824, 0.6000
CMYK	0.00, 0.24, 0.04, 0.58
HSL	310°, 13%, 37%
HSV	310°, 24%, 42%
XYZ	11.2862, 9.9080, 13.8890
YIQ	90.8690, 8.1590, 11.8310

Conversions

Conversions Part 2

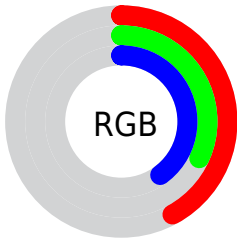
Format	Color
RYB	106, 81, 102
Decimal	6967654
CIELab	37.68, 14.39, -8.13
CIELCh	38, 16.530, 330.533
Yxy	9.9080, 0.3217, 0.2824
Android (android.graphics.Color)	4285157734 (0xFF6A5166)
YUV	90.8690, 5.4876, 13.2699
Hunter-Lab	31.4770, 8.9171, -4.1275

Details

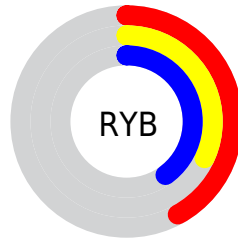
The YIQ color **90.8690, 8.1590, 11.8310** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **96.1310, -8.1590, -11.8310**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.5810, 9.0300, 12.5660**, and **44.7440, 7.0130, 10.5730** is the 20% darker color. If you saturate the color by 10%, you get **84.1840, 11.8260, 16.9620**, and if you desaturate by 10%, it is **97.5540, 4.4920, 6.7000**.

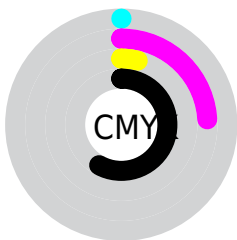
Distribution



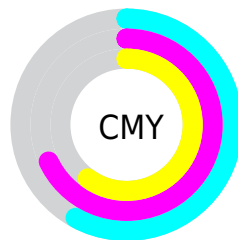
- Red (42%)
- Green (32%)
- Blue (40%)



- Red (42%)
- Yellow (32%)
- Blue (40%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (58%)



- Cyan (58%)
- Magenta (68%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 90.8690, 8.1590, 11.8310 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 90.8690, 8.1590, 11.8310 by changing the saturation by 10% instead.

90.8690, 8.1590,
11.8310

90.8690, 8.1590,
11.8310

255.0000, -0.0000,
-0.0000

67.4560, 7.8840,
11.3080

140.9940, 9.3050,
13.0890

44.7440, 7.0130,
10.5730

167.9940, 9.3050,
13.0890

23.4450, 6.4170,
10.3610

194.9940, 9.3050,
13.0890

3.2330, 0.9620,
4.5940

222.8200, 9.8550,
14.1350

0.0000, 0.0000,
0.0000

246.1950, 4.1250,
7.8450

90.8690, 8.1590,
11.8310

90.8690, 8.1590,
11.8310

84.1840, 11.8260,
16.9620

97.5540, 4.4920,
6.7000

78.2000, 14.8970,
21.8810

103.5380, 1.4210,
1.7810

71.5150, 18.5640,
27.0120

110.2230, -2.2460,
-3.3500

65.4170, 21.9560,
31.6200

116.3210, -5.6380,
-7.9580

58.8460, 25.3020,
37.0620

123.0060, -9.3050,
-13.0890

52.1610, 28.9690,
42.1930

129.5770,
-12.6510, -18.5310

46.0630, 32.3610,
46.8010


135.6750,
-16.0430, -23.1390

41.8400, 34.6070,

142.3600,

50.1510

-19.7100, -28.2700

 148.3440,
-22.7810, -33.1890

Harmonies

Analogous

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



89.8720, -5.0910, 9.6690



90.8690, 8.1590, 11.8310



90.6050, 17.6500, 10.5300

Triad

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



90.8690, 8.1590, 11.8310



88.0260, 14.3060, -5.9660



82.3320, -30.5340, -8.3100

Complementary

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



90.8690, 8.1590, 11.8310



96.1310, -8.1590, -11.8310

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.



82.8290, -21.8680, -11.1800



90.8690, 8.1590, 11.8310



86.5300, 3.8990, -10.0930

Square

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



90.8690, 8.1590, 11.8310



88.8360, 20.9530, 0.2250



84.6470, -9.6720, -11.9440



84.2770, -28.7010, -2.9810

Rectangle

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



90.8690, 8.1590, 11.8310



90.1770, 21.7310, 8.1550



84.6470, -9.6720, -11.9440



82.1750, -28.6540, -9.3420

Sweetspot

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



90.8690, 8.1590, 11.8310



131.9020, 3.3920, 4.6080



85.0460, -5.6410, 8.6230



65.3640, 1.9710, 2.8270



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



90.8690, 8.1590, 11.8310



114.4230, 12.6510, 18.5310



89.5010, 12.0110, 8.0990



50.3640, 1.9710, 2.8270



46.1550, 38.2740, 55.2820



96.7390, 79.8940, 116.0060

Inverse Universe

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



90.8690, 8.1590, 11.8310



114.4230, 12.6510, 18.5310



97.4990, -12.0110, -8.0990



50.3640, 1.9710, 2.8270



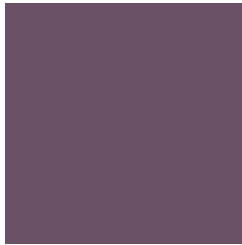
46.1550, 38.2740, 55.2820



96.7390, 79.8940, 116.0060

Previews

White Background



This preview shows how the YIQ color 90.8690, 8.1590, 11.8310 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 ✓ Pass

Black Background



This preview shows how the YIQ color 90.8690, 8.1590, 11.8310 looks on a black 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

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

YIQ 90.8690, 8.1590, 11.8310

Background



This preview shows how black text looks on a background with the YIQ color 90.8690, 8.1590, 11.8310.



This preview shows how white text looks on a background with the YIQ color 90.8690, 8.1590,

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

90.8690, 8.1590, 11.8310

Protanopia

89.2690, -7.8870, 5.2730

Deuteranopia

90.0910, -1.5140, 5.4140



Tritanopia

90.0770, 10.2690, 6.6290

Trichromacy



Original Color

90.8690, 8.1590, 11.8310

Protanomaly

89.6720, -1.6520, 7.9160

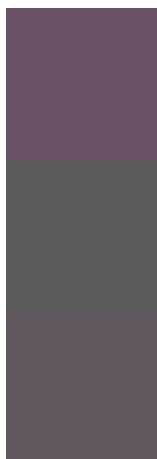
Deuteranomaly

90.4120, 2.0160, 7.5200

Tritanomaly

90.2450, 9.8560, 8.6080

Monochromacy



Original Color

90.8690, 8.1590, 11.8310

Achromatopsia

91.0000, -0.0000, -0.0000

Achromatomaly

90.6030, 2.7960, 4.3960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.8690, 8.1590, 11.8310 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(106, 81, 102)` looks like.

```
.text, #text, p{  
    color:rgb(106, 81, 102)  
}
```

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(106, 81, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 81, 102) }
```

Border

The CSS property to change the border of an element to YIQ 90.8690, 8.1590, 11.8310 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(106, 81, 102) }
```


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

```
.border{ border-color:rgb(106, 81, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 81, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 81, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 81, 102);  
box-shadow:4px 4px 4px 4px rgb(106, 81,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 90.8690, 8.1590, 11.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 81, 102) }
```

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

```
.background{ background-color: rgb(106, 81,  
102) }
```

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