

Converting Colors

YIQ(99.4780, 1.6500, 3.1380)

Have a look what the booklet for
YIQ(99.4780, 1.6500, 3.1380)
contains.

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Color

YIQ(99.4780, 1.6500, 3.1380)

Conversions

Conversions Part 1

Format	Color
Hex	676167
RGB	103, 97, 103
RGB Percent	40%, 38%, 40%
CMY	0.5961, 0.6196, 0.5961
CMYK	0.00, 0.06, 0.00, 0.60
HSL	300°, 3%, 39%
HSV	300°, 6%, 40%
XYZ	12.3167, 12.4120, 14.5787
YIQ	99.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

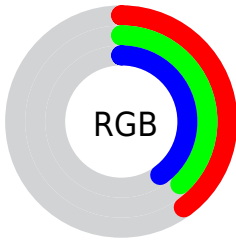
Format	Color
R_{YB}	103, 97, 103
Decimal	6775143
CIE Lab	41.86, 3.61, -2.55
CIE LCh	42, 4.420, 324.723
Yxy	12.4120, 0.3133, 0.3158
Android (android.graphics.Color)	4284965223 (0xFF676167)
YUV	99.4780, 1.7363, 3.0888
Hunter-Lab	35.2307, 0.7501, 0.1269

Details

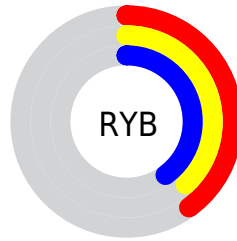
The YIQ color **99.4780, 1.6500, 3.1380** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **100.5220, -1.6500, -3.1380**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.4780, 1.6500, 3.1380**, and **53.0650, 1.3750, 2.6150** is the 20% darker color. If you saturate the color by 10%, you get **93.6080, 4.4000, 8.3680**, and if you desaturate by 10%, it is **105.3480, -1.1000, -2.0920**.

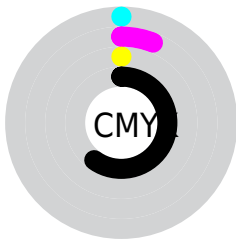
Distribution



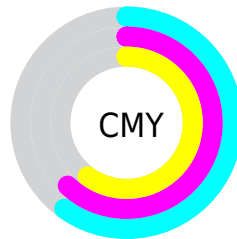
- Red (40%)
- Green (38%)
- Blue (40%)



- Red (40%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.4780, 1.6500, 3.1380 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 99.4780, 1.6500, 3.1380 by changing the saturation by 10% instead.

■ 99.4780, 1.6500,
3.1380

■ 99.4780, 1.6500,
3.1380

255.0000, -0.0000,
-0.0000

■ 75.4780, 1.6500,
3.1380

■ 150.4780, 1.6500,
3.1380

■ 53.0650, 1.3750,
2.6150

■ 176.8910, 1.9250,
3.6610

■ 32.0650, 1.3750,
2.6150

■ 204.4780, 1.6500,
3.1380

■ 7.7170, 2.4750,
4.7070

■ 232.8910, 1.9250,
3.6610

■ 0.0000, 0.0000,
0.0000

■ 99.4780, 1.6500,

■ 99.4780, 1.6500,

3.1380

■ 93.6080, 4.4000,
8.3680

■ 87.1510, 7.4250,
14.1210

■ 81.2810, 10.1750,
19.3510

■ 75.4110, 12.9250,
24.5810

■ 68.9540, 15.9500,
30.3340

■ 63.0840, 18.7000,
35.5640

■ 57.2140, 21.4500,
40.7940

■ 51.3440, 24.2000,
46.0240

3.1380

■ 105.3480, -1.1000,
-2.0920

■ 111.8050, -4.1250,
-7.8450

■ 117.6750, -6.8750,
-13.0750

■ 123.5450, -9.6250,
-18.3050

■ 130.0020,
-12.6500, -24.0580

■ 135.8720,
-15.4000, -29.2880

■ 141.7420,
-18.1500, -34.5180

■ 147.6120,
-20.9000, -39.7480

■ 44.8870, 27.2250,
51.7770

■ 154.0690,
-23.9250, -45.5010

Harmonies

Analogous

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



99.0970, -1.6510, 2.3890



99.4780, 1.6500, 3.1380



99.4460, 4.6760, 3.3640

Triad

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



99.4780, 1.6500, 3.1380



98.8110, 4.9060, -0.8060



97.8250, -6.8770, -2.0210

Complementary

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



99.4780, 1.6500, 3.1380



100.5220, -1.6500, -3.1380

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.



97.6680, -4.9970, -3.0530



99.4780, 1.6500, 3.1380



98.2020, 2.2470, -2.1770

Square

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



99.4780, 1.6500, 3.1380



99.2350, 6.6480, 0.6640



97.5220, -1.6500, -3.1380



97.8790, -6.9690, -0.3530

Rectangle

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



99.4780, 1.6500, 3.1380



99.4030, 6.2350, 2.6430



97.5220, -1.6500, -3.1380



97.5970, -6.2350, -2.6430

Sweetspot

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



99.4780, 1.6500, 3.1380



133.2390, 0.8250, 1.5690



97.6840, -1.9260, 1.8660



67.8260, 0.5500, 1.0460



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.



99.4780, 1.6500, 3.1380



129.7170, 2.4750, 4.7070



99.1360, 2.6130, 2.2050



48.6520, 1.1000, 2.0920



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660

Inverse Universe

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



99.4780, 1.6500, 3.1380



129.7170, 2.4750, 4.7070



100.8640, -2.6130, -2.2050



48.6520, 1.1000, 2.0920



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660

Previews

White Background



This preview shows how the YIQ color 99.4780, 1.6500, 3.1380 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 99.4780, 1.6500, 3.1380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

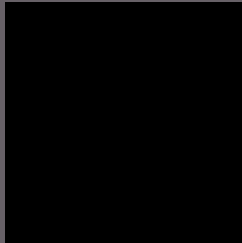
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

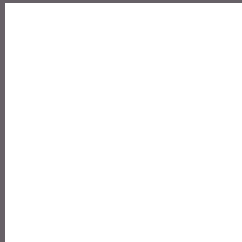
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 99.4780, 1.6500, 3.1380

Background



This preview shows how black text looks on a background with the YIQ color 99.4780, 1.6500, 3.1380.

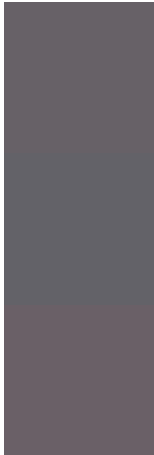


This preview shows how white text looks on a background with the YIQ color 99.4780, 1.6500, 3.1380.

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

99.4780, 1.6500, 3.1380

Protanopia

98.9830, -1.3300, 2.0780

Deuteranopia

99.7880, 3.7130, 4.2970



Tritanopia

99.5920, 1.3290, 3.4490

Trichromacy



Original Color

99.4780, 1.6500, 3.1380

Protanomaly

99.2820, -0.7340, 2.2900

Deuteranomaly

99.4890, 3.1170, 4.0850

Tritanomaly

99.5920, 1.3290, 3.4490

Monochromacy



Original Color

99.4780, 1.6500, 3.1380

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

98.8260, 0.5500, 1.0460

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.4780, 1.6500, 3.1380 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(103, 97, 103)` looks like.

```
.text, #text, p{  
    color:rgb(103, 97, 103)  
}
```

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(103, 97, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 97, 103) }
```

Border

The CSS property to change the border of an element to YIQ 99.4780, 1.6500, 3.1380 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(103, 97, 103) }
```

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

```
.border{ border-color:rgb(103, 97, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 97, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 97, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 97, 103);  
box-shadow:4px 4px 4px 4px rgb(103, 97,  
103) }
```


Background

The CSS property to change the background color of an element to YIQ 99.4780, 1.6500, 3.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 97, 103) }
```

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

```
.background{ background-color: rgb(103, 97,  
103) }
```

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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