

Converting Colors

YIQ(110.3330, 49.0960, 46.3760)

Have a look what the booklet for
YIQ(110.3330, 49.0960, 46.3760)
contains.

YIQ(110.3330, 49.0960, 46.3760)	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(110.3330, 49.0960,
46.3760)**

Conversions

Conversions Part 1

Format	Color
Hex	BA4387
RGB	186, 67, 135
RGB Percent	73%, 26%, 53%
CMY	0.2703, 0.7374, 0.4704
CMYK	0.00, 0.64, 0.27, 0.27
HSL	326°, 47%, 50%
HSV	326°, 64%, 73%
XYZ	26.6498, 16.2082, 24.6589
YIQ	110.3330, 49.0960, 46.3760

Conversions

Conversions Part 2

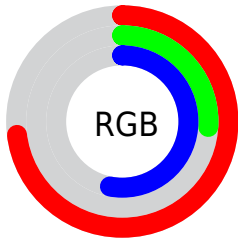
Format	Color
R_{YB}	186, 67, 135
Decimal	12206983
CIE _{Lab}	47.25, 54.64, -12.86
CIE _{LCh}	47, 56.136, 346.753
Yxy	16.2082, 0.3947, 0.2401
Android (android.graphics.Color)	4290397063 (0xFFBA4387)
YUV	110.3330, 12.1608, 66.3600
Hunter-Lab	40.2594, 47.7046, -8.1337

Details

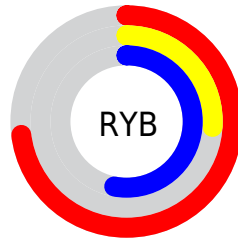
The YIQ color **110.3330, 49.0960, 46.3760** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **142.6670, -49.0960, -46.3760**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **166.3010, 52.1220, 46.6020**, and **48.2610, 49.5990, 53.7830** is the 20% darker color. If you saturate the color by 10%, you get **98.2680, 56.8890, 53.8250**, and if you desaturate by 10%, it is **122.3980, 41.3030, 38.9270**.

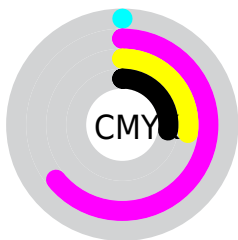
Distribution



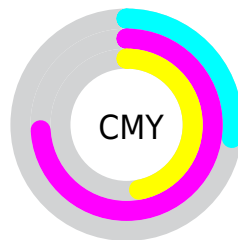
- Red (73%)
- Green (26%)
- Blue (53%)



- Red (73%)
- Yellow (26%)
- Blue (53%)



- Cyan (0%)
- Magenta (64%)
- Yellow (27%)
- Black (27%)



- Cyan (27%)
- Magenta (74%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 110.3330, 49.0960, 46.3760 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 110.3330, 49.0960, 46.3760 by changing the saturation by 10% instead.

■ 110.3330, 49.0960,
46.3760

■ 110.3330, 49.0960,
46.3760

■ 255.0000, -0.0000,
-0.0000

■ 81.2020, 48.0870,
48.1430

■ 166.3010, 52.1220,
46.6020

■ 48.2610, 49.5990,
53.7830

■ 188.3320, 41.6690,
43.3090

■ 37.2670, 40.2940,
40.6940

■ 208.6610, 24.3850,
37.1610

■ 26.6860, 31.2640,
28.1280

■ 226.2370, 13.4750,
25.6270

■ 17.1160, 23.7010,
16.5090

■ 243.2600, 5.5000,
10.4600

■ 0.0000, 0.0000,
0.0000

■ 110.3330, 49.0960,
46.3760

■ 110.3330, 49.0960,
46.3760

■ 98.2680, 56.8890,
53.8250

■ 122.3980, 41.3030,
38.9270

■ 86.7900, 64.4070,
60.7510

■ 133.8760, 33.7850,
32.0010

■ 74.7250, 72.2000,
68.2000

■ 145.9410, 25.9920,
24.5520

■ 67.6980, 76.8300,
72.3980

■ 157.4190, 18.4740,
17.6260


■ 169.4840, 10.6810,
10.1770

■ 181.5490, 2.8880,
2.7280

■ 193.0270, -4.6300,
-4.1980

■ 205.0920,

-12.4230, -11.6470

 216.5700,
-19.9410, -18.5730

Harmonies

Analogous

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



115.2000, 6.8700, 40.7100



110.3330, 49.0960, 46.3760



106.7910, 70.6930, 34.9250

Triad

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



110.3330, 49.0960, 46.3760



102.1560, 33.1100, -38.3940



97.4170, -93.8050, -12.5330

Complementary

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



110.3330, 49.0960, 46.3760



142.6670, -49.0960, -46.3760

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.



94.3900, -81.1480, -27.1640



110.3330, 49.0960, 46.3760



95.1730, -18.2860, -43.0700

Square

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



110.3330, 49.0960, 46.3760



105.3220, 62.5420, -21.1220



88.2170, -65.1440, -41.8800



95.4570, -99.3090, -0.8850

Rectangle

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



110.3330, 49.0960, 46.3760



107.1480, 73.4010, 18.8810



88.2170, -65.1440, -41.8800



97.2230, -90.5030, -17.3110

Sweetspot

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



110.3330, 49.0960, 46.3760



212.8320, 18.7490, 18.1490



95.5160, -8.3990, 47.6090



104.1960, 11.5520, 10.9120



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



110.3330, 49.0960, 46.3760



123.6980, 76.8300, 72.3980



103.7210, 67.7140, 28.3380



86.2610, 3.7590, 3.4630



56.7900, 64.4070, 60.7510



10.1960, 11.5520, 10.9120

Inverse Universe

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



110.3330, 49.0960, 46.3760



123.6980, 76.8300, 72.3980



149.2790, -67.7140, -28.3380



86.2610, 3.7590, 3.4630



56.7900, 64.4070, 60.7510



10.1960, 11.5520, 10.9120

Previews

White Background



This preview shows how the YIQ color 110.3330, 49.0960, 46.3760 looks on a white background.

Color Contrast Check

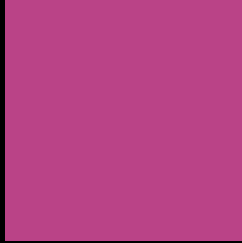
Large Text (above 18pt) WCAG AA ✓ Pass

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 110.3330, 49.0960, 46.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

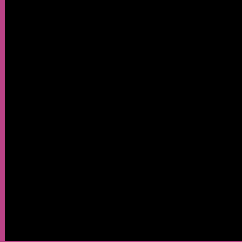
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 110.3330, 49.0960, 46.3760

Background



This preview shows how black text looks on a background with the YIQ color 110.3330, 49.0960, 46.3760.

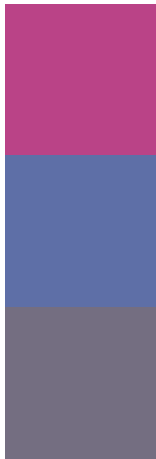


This preview shows how white text looks on a background with the YIQ color 110.3330, 49.0960,

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

110.3330, 49.0960, 46.3760

Protanopia

112.3010, -28.1080, 13.8120

Deuteranopia

113.9600, -2.5230, 7.1810



Tritanopia

110.4810, 59.4620, 23.7020

Trichromacy



Original Color

110.3330, 49.0960, 46.3760

Protanomaly

111.4080, -0.1880, 25.4440

Deuteranomaly

112.2710, 16.1350, 21.4710

Tritanomaly

110.4840, 55.3800, 31.6040

Monochromacy



Original Color

110.3330, 49.0960, 46.3760

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

110.0060, 18.1990, 17.1030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 110.3330, 49.0960, 46.3760 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(186, 67, 135)` looks like.

```
.text, #text, p{  
    color:rgb(186, 67, 135)  
}
```

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(186, 67, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 67, 135) }
```

Border

The CSS property to change the border of an element to YIQ 110.3330, 49.0960, 46.3760 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(186, 67, 135) }
```


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

```
.border{ border-color:rgb(186, 67, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 67, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 67, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 67, 135);  
box-shadow:4px 4px 4px 4px rgb(186, 67,  
135) }
```

Background

The CSS property to change the background color of an element to YIQ 110.3330, 49.0960, 46.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 67, 135) }
```

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

```
.background{ background-color: rgb(186, 67,  
135) }
```

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