

Converting Colors

YIQ(109.3670, 68.9510, 33.4550)

Have a look what the booklet for
YIQ(109.3670, 68.9510, 33.4550)
contains.

YIQ(109.3670, 68.9510, 33.4550)	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(109.3670, 68.9510,
33.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	C4455A
RGB	196, 69, 90
RGB Percent	77%, 27%, 35%
CMY	0.2311, 0.7296, 0.6468
CMYK	0.00, 0.65, 0.54, 0.23
HSL	350°, 52%, 52%
HSV	350°, 65%, 77%
XYZ	26.7590, 16.7355, 11.5074
YIQ	109.3670, 68.9510, 33.4550

Conversions

Conversions Part 2

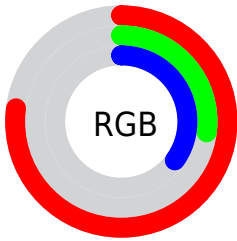
Format	Color
R_{YB}	196, 69, 90
Decimal	12862810
CIE _{Lab}	47.93, 52.16, 15.66
CIE _{LCh}	48, 54.463, 16.707
Yxy	16.7355, 0.4865, 0.3043
Android (android.graphics.Color)	4291052890 (0xFFC4455A)
YUV	109.3670, -9.5479, 75.9771
Hunter-Lab	40.9091, 45.1674, 11.9585

Details

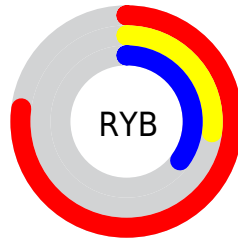
The YIQ color **109.3670, 68.9510, 33.4550** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **155.6330, -68.9510, -33.4550**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.9930, 72.9400, 32.7480**, and **46.0930, 67.2070, 43.0390** is the 20% darker color. If you saturate the color by 10%, you get **95.8030, 79.5870, 38.9390**, and if you desaturate by 10%, it is **122.9310, 58.3150, 27.9710**.

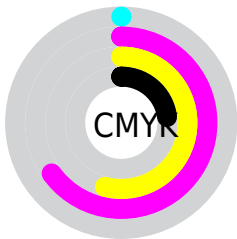
Distribution



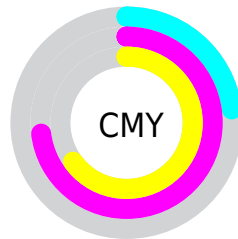
- Red (77%)
- Green (27%)
- Blue (35%)



- Red (77%)
- Yellow (27%)
- Blue (35%)



- Cyan (0%)
- Magenta (65%)
- Yellow (54%)
- Black (23%)




- Cyan (23%)
- Magenta (73%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 109.3670, 68.9510, 33.4550 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 109.3670, 68.9510, 33.4550 by changing the saturation by 10% instead.


 109.3670, 68.9510,
33.4550


 109.3670, 68.9510,
33.4550


255.0000, -0.0000,
-0.0000


 80.7520, 66.4290,
35.1090


 164.9930, 72.9400,
32.7480


 46.0930, 67.2070,
43.0390


 183.8060, 57.1690,
26.7130

 35.1420, 56.3430,
30.6710

 203.3200, 40.8020,
20.4660

 23.6210, 47.0840,
16.7480

 223.5350, 23.8390,
14.0070

 15.7760, 30.3500,
11.6460

 243.8640, 6.5550,
7.8590

 0.0000, 0.0000,
0.0000

■ 109.3670, 68.9510,
33.4550

■ 109.3670, 68.9510,
33.4550

■ 95.8030, 79.5870,
38.9390

■ 122.9310, 58.3150,
27.9710

■ 82.7120, 90.2690,
43.5890

■ 136.0220, 47.6330,
23.3210

■ 69.1480, 100.9050,
49.0730

■ 149.5860, 36.9970,
17.8370

■ 62.3660, 106.2230,
51.8150

■ 162.5630, 26.6360,
12.8760


■ 176.2410, 15.6790,
7.7030

■ 189.8050, 5.0430,
2.2190

■ 202.8960, -5.6390,
-2.4310

■ 216.4600,

-16.2750, -7.9150

 229.4370,
-26.6360, -12.8760

Harmonies

Analogous

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



112.7950, 47.6750, 44.5950



109.3670, 68.9510, 33.4550



110.0840, 70.2850, 9.2690

Triad

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



109.3670, 68.9510, 33.4550



97.7110, -16.8650, -41.2890



96.5170, -99.5380, -2.2420

Complementary

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



109.3670, 68.9510, 33.4550



155.6330, -68.9510, -33.4550

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.



98.5910, -94.3550, -13.5790



109.3670, 68.9510, 33.4550



89.0320, -66.0610, -41.7810

Square

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



109.3670, 68.9510, 33.4550



103.9110, 32.4220, -36.9380



95.0910, -81.7440, -27.3760



108.5280, -53.3720, 20.1320

Rectangle

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



109.3670, 68.9510, 33.4550



109.4830, 64.0070, -9.1210



95.0910, -81.7440, -27.3760



97.7080, -98.7580, -5.3660

Sweetspot

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



109.3670, 68.9510, 33.4550



222.2640, 26.0400, 12.6640



115.1720, 22.4090, 61.9690



107.5400, 16.2750, 7.9150



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



109.3670, 68.9510, 33.4550



119.2630, 108.0110, 52.4510



131.6270, 64.1420, 4.9580



90.2180, 5.3180, 2.7420



51.2170, 87.2890, 42.5290



10.5510, 17.7420, 8.8620

Inverse Universe

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



109.3670, 68.9510, 33.4550



119.2630, 108.0110, 52.4510



133.3730, -64.1420, -4.9580



90.2180, 5.3180, 2.7420



51.2170, 87.2890, 42.5290



10.5510, 17.7420, 8.8620

Previews

White Background



This preview shows how the YIQ color 109.3670, 68.9510, 33.4550 looks on a white background.

Color Contrast Check

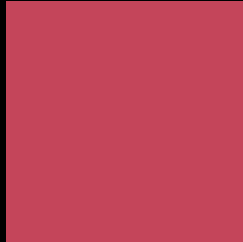
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.3670, 68.9510, 33.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

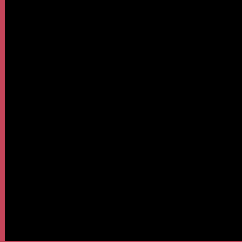
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.3670, 68.9510, 33.4550

Background



This preview shows how black text looks on a background with the YIQ color 109.3670, 68.9510, 33.4550.



This preview shows how white text looks on a background with the YIQ color 109.3670, 68.9510,

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

109.3670, 68.9510, 33.4550

Protanopia

114.6690, 2.4300, 0.0140

Deuteranopia

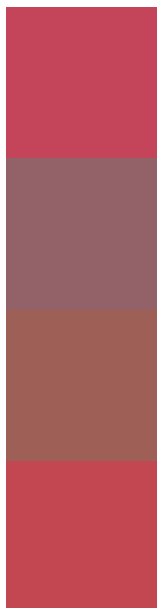
114.5110, 23.2460, -2.7860



Tritanopia

109.2330, 72.0240, 27.3200

Trichromacy



Original Color

109.3670, 68.9510, 33.4550

Protanomaly

113.0360, 26.6820, 12.0420

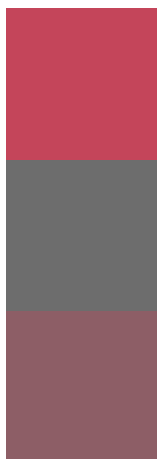
Deuteranomaly

112.5120, 39.8410, 10.3450

Tritanomaly

109.2160, 70.6940, 29.3980

Monochromacy



Original Color

109.3670, 68.9510, 33.4550

Achromatopsia

109.0000, -0.0000, 0.0000

Achromatomaly

108.9650, 25.4440, 12.4520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.3670, 68.9510, 33.4550 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(196, 69, 90)` looks like.

```
.text, #text, p{  
    color:rgb(196, 69, 90)  
}
```

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(196, 69, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 69, 90) }
```

Border

The CSS property to change the border of an element to YIQ 109.3670, 68.9510, 33.4550 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(196, 69, 90) }
```


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

```
.border{ border-color:rgb(196, 69, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 69, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 69, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 69, 90);  
box-shadow:4px 4px 4px 4px rgb(196, 69,  
90) }
```

Background

The CSS property to change the background color of an element to YIQ 109.3670, 68.9510, 33.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 69, 90) }
```

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

```
.background{ background-color: rgb(196, 69,  
90) }
```

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