

Converting Colors

YIQ(117.7100, 14.6620, 53.6860)

Have a look what the booklet for
YIQ(117.7100, 14.6620, 53.6860)
contains.

YIQ(117.7100, 14.6620, 53.6860)	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(117.7100, 14.6620,
53.6860)**

Conversions

Conversions Part 1

Format	Color
Hex	A54FC1
RGB	165, 79, 193
RGB Percent	65%, 31%, 76%
CMY	0.3527, 0.6903, 0.2432
CMYK	0.14, 0.59, 0.00, 0.24
HSL	285°, 48%, 53%
HSV	285°, 59%, 76%
XYZ	27.9499, 17.4436, 52.3414
YIQ	117.7100, 14.6620, 53.6860

Conversions

Conversions Part 2

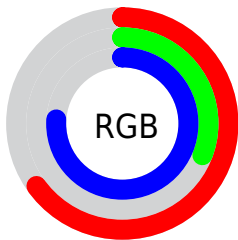
Format	Color
R _Y B	165, 79, 193
Decimal	10833857
CIE Lab	48.81, 53.12, -44.92
CIE LCh	49, 69.571, 319.780
Yxy	17.4436, 0.2860, 0.1785
Android (android.graphics.Color)	4289023937 (0xFFA54FC1)
YUV	117.7100, 37.1180, 41.4733
Hunter-Lab	41.7655, 46.3642, -45.0676

Details

The YIQ color **117.7100, 14.6620, 53.6860** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted purple. A complement of this color would be **154.2900, -14.6620, -53.6860**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.3620, 15.7620, 55.7780**, and **62.2370, 14.6160, 54.5200** is the 20% darker color. If you saturate the color by 10%, you get **105.0620, 16.9070, 62.5630**, and if you desaturate by 10%, it is **130.3580, 12.4170, 44.8090**.

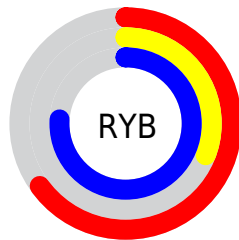
Distribution



Red (65%)

Green (31%)

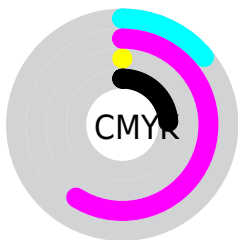
Blue (76%)



Red (65%)

Yellow (31%)

Blue (76%)

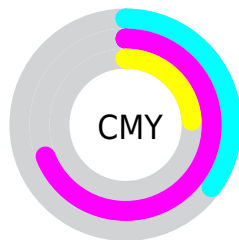


Cyan (14%)

Magenta (59%)

Yellow (0%)

Black (24%)



Cyan (35%)

Magenta (69%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7100, 14.6620, 53.6860 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 117.7100, 14.6620, 53.6860 by changing the saturation by 10% instead.

■ 117.7100, 14.6620,
53.6860

■ 117.7100, 14.6620,
53.6860

■ 255.0000, -0.0000,
-0.0000

■ 90.2970, 14.3870,
53.1630

■ 172.3620, 15.7620,
55.7780

■ 62.2370, 14.6160,
54.5200

■ 198.3380, 24.3370,
49.0490

■ 37.6990, 13.1950,
52.7390

■ 215.6710, 18.4250,
35.0410

■ 27.0750, 5.7240,
39.4520

■ 232.1070, 10.7250,
20.3970

■ 17.4620, -0.2800,
27.1120

■ 249.1300, 2.7500,
5.2300

■ 4.6740, -13.1610,
12.7510

■ 2.6390, -6.0530,

5.0750

■ 0.0000, 0.0000,
0.0000

■ 117.7100, 14.6620,
53.6860

■ 117.7100, 14.6620,
53.6860

■ 105.0620, 16.9070,
62.5630

■ 130.3580, 12.4170,
44.8090

■ 92.1260, 20.0230,
72.1750

■ 143.5930, 9.8970,
35.4090

■ 79.4780, 22.2680,
81.0520

■ 155.9420, 7.0560,
26.3200

■ 66.8300, 24.5130,
89.9290

■ 168.5900, 4.8110,
17.4430

■ 65.6560, 25.0630,
90.9750

■ 181.2380, 2.5660,
8.5660

■ 194.1740, -0.5500,
-1.0460

■ 206.8220, -2.7950,
-9.9230

■ 219.4700, -5.0400,
-18.8000

■ 232.7050, -7.5600,
-28.2000

Harmonies

Analogous

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



106.7190, -69.7870, 25.7730



117.7100, 14.6620, 53.6860



105.9260, 67.0200, 62.9560

Triad

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



117.7100, 14.6620, 53.6860



109.1650, 64.4220, -22.1540



100.9100, -88.4840, -26.3720

Complementary

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



117.7100, 14.6620, 53.6860



154.2900, -14.6620, -53.6860

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.



92.7820, -68.3530, -44.2970



117.7100, 14.6620, 53.6860



104.4710, 27.6090, -43.3270

Square

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



117.7100, 14.6620, 53.6860



107.1970, 88.9000, 7.8120



82.5510, -46.4340, -61.5860



105.0770, -104.3510, -8.6310

Rectangle

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



117.7100, 14.6620, 53.6860



100.5350, 86.8740, 55.5620



82.5510, -46.4340, -61.5860



98.6300, -82.0640, -32.5920

Sweetspot

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



117.7100, 14.6620, 53.6860



220.2960, 5.8190, 21.2030



108.4320, -44.2940, 20.8100



106.4710, 3.5280, 13.1600



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



117.7100, 14.6620, 53.6860



132.3580, 22.7260, 83.7660



122.7760, 40.6590, 50.6030



90.5320, 1.5580, 4.8060



54.5330, 20.4350, 75.7230



11.2370, 4.3070, 15.5630

Inverse Universe

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



116.2780, 58.9560, 32.8760



130.2380, 91.9640, 51.4200



149.1100, -40.3380, -50.9140



90.3320, 4.9970, 3.0530



52.5850, 83.4370, 46.2610



10.7790, 17.1000, 9.4840

Previews

White Background



This preview shows how the YIQ color 117.7100, 14.6620, 53.6860 looks on a white background.

Color Contrast Check

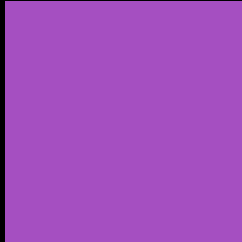
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.7100, 14.6620, 53.6860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

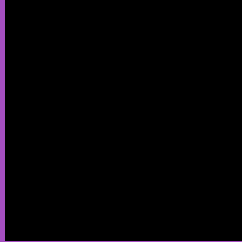
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.7100, 14.6620, 53.6860

Background



This preview shows how black text looks on a background with the YIQ color 117.7100, 14.6620, 53.6860.



This preview shows how white text looks on a background with the YIQ color 117.7100, 14.6620,

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

117.7100, 14.6620, 53.6860

Protanopia

106.7460, -74.4170, 21.5750

Deuteranopia

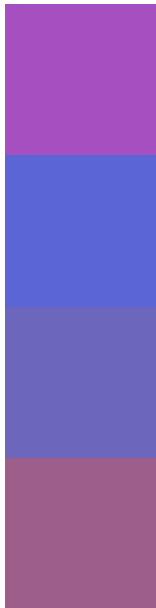
112.6070, -46.5850, 12.7670



Tritanopia

118.1610, 27.8280, 13.3000

Trichromacy



Original Color

117.7100, 14.6620, 53.6860

Protanomaly

110.8920, -42.2330, 33.0230

Deuteranomaly

114.2990, -24.6260, 27.8060

Tritanomaly

118.0810, 22.7820, 27.6620

Monochromacy



Original Color

117.7100, 14.6620, 53.6860

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9430, 5.3150, 19.3230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7100, 14.6620, 53.6860 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(165, 79, 193)` looks like.

```
.text, #text, p{  
    color:rgb(165, 79, 193)  
}
```

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(165, 79, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 79, 193) }
```

Border

The CSS property to change the border of an element to YIQ 117.7100, 14.6620, 53.6860 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(165, 79, 193) }
```


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

```
.border{ border-color:rgb(165, 79, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 79, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 79, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 79, 193); box-shadow:4px 4px 4px 4px rgb(165, 79, 193) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7100, 14.6620, 53.6860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 79, 193) }
```

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

```
.background{ background-color: rgb(165, 79,  
193) }
```

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