

Converting Colors

YIQ(117.0660, 19.1110, 44.6390)

Have a look what the booklet for
YIQ(117.0660, 19.1110, 44.6390)
contains.

YIQ(117.0660, 19.1110, 44.6390)	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(117.0660, 19.1110,
44.6390)**

Conversions

Conversions Part 1

Format	Color
Hex	A353AC
RGB	163, 83, 172
RGB Percent	64%, 33%, 67%
CMY	0.3605, 0.6746, 0.3255
CMYK	0.05, 0.52, 0.00, 0.33
HSL	294°, 35%, 50%
HSV	294°, 52%, 67%
XYZ	25.6544, 16.9532, 40.9508
YIQ	117.0660, 19.1110, 44.6390

Conversions

Conversions Part 2

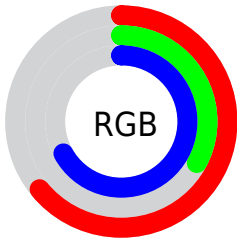
Format	Color
R_{YB}	163, 83, 172
Decimal	10703788
CIE _{Lab}	48.20, 46.40, -33.67
CIE _{LCh}	48, 57.333, 324.031
Yxy	16.9532, 0.3070, 0.2029
Android (android.graphics.Color)	4288893868 (0xFFA353AC)
YUV	117.0660, 27.0825, 40.2841
Hunter-Lab	41.1742, 39.1628, -30.1462

Details

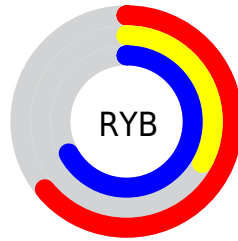
The YIQ color **117.0660, 19.1110, 44.6390** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **137.9340, -19.1110, -44.6390**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.6040, 20.5320, 46.4200**, and **63.7670, 18.5150, 44.4270** is the 20% darker color. If you saturate the color by 10%, you get **106.4890, 22.5940, 53.1060**, and if you desaturate by 10%, it is **127.6430, 15.6280, 36.1720**.

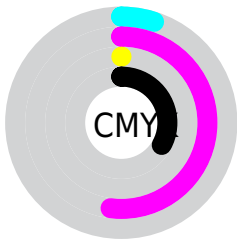
Distribution



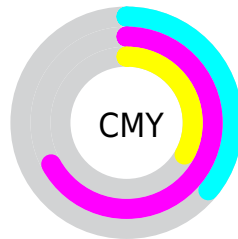
- Red (64%)
- Green (33%)
- Blue (67%)



- Red (64%)
- Yellow (33%)
- Blue (67%)



- Cyan (5%)
- Magenta (52%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.0660, 19.1110, 44.6390 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 117.0660, 19.1110, 44.6390 by changing the saturation by 10% instead.

■ 117.0660, 19.1110,
44.6390

■ 117.0660, 19.1110,
44.6390

■ 255.0000, -0.0000,
-0.0000

■ 90.6530, 18.8360,
44.1160

■ 171.6040, 20.5320,
46.4200

■ 63.7670, 18.5150,
44.4270

■ 199.2020, 21.7240,
46.8440

■ 35.5330, 19.2940,
46.8300

■ 217.4320, 17.6000,
33.4720

■ 25.0230, 11.5020,
33.8540

■ 233.8680, 9.9000,
18.8280

■ 16.1220, 6.3690,
22.2490

■ 250.8910, 1.9250,
3.6610

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,

0.0000

■ 117.0660, 19.1110,
44.6390

■ 117.0660, 19.1110,
44.6390

■ 106.4890, 22.5940,
53.1060

■ 127.6430, 15.6280,
36.1720

■ 96.2110, 26.6730,
61.7850

■ 138.2200, 12.1450,
27.7050

■ 85.0470, 30.4310,
70.7750

■ 149.0850, 7.7910,
18.5030

■ 74.4700, 33.9140,
79.2420

■ 159.6620, 4.3080,
10.0360

■ 65.9530, 37.1680,
86.3520

■ 170.2390, 0.8250,
1.5690

■ 180.5170, -3.2540,
-7.1100

■ 191.0940, -6.7370,
-15.5770

■ 202.2580,
-10.4950, -24.5670

■ 212.8350,
-13.9780, -33.0340

Harmonies

Analogous

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



113.5840, -38.6100, 27.9340



117.0660, 19.1110, 44.6390



110.8240, 57.8990, 46.5310

Triad

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



117.0660, 19.1110, 44.6390



107.6370, 57.0410, -26.0550



97.8610, -86.7880, -24.0680

Complementary

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



117.0660, 19.1110, 44.6390



137.9340, -19.1110, -44.6390

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.



91.5740, -70.4630, -39.0950



117.0660, 19.1110, 44.6390



102.4430, 24.8120, -42.1960

Square

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



117.0660, 19.1110, 44.6390



109.9390, 71.8910, 2.1870



91.1150, -38.7340, -46.9420



99.9590, -98.2070, -9.8470

Rectangle

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



117.0660, 19.1110, 44.6390



108.9700, 71.7470, 37.8510



91.1150, -38.7340, -46.9420



96.0370, -81.6520, -29.0440

Sweetspot

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



117.0660, 19.1110, 44.6390



201.9710, 8.1120, 18.1920



99.0160, -31.3190, 22.4490



99.0750, 4.5830, 10.5590



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



117.0660, 19.1110, 44.6390



138.2210, 29.8810, 69.7290



115.8810, 35.3890, 35.9730



81.4180, 1.8790, 4.4950



57.4650, 32.3100, 75.2700



8.9010, 5.1330, 11.6050

Inverse Universe

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



110.6370, 50.1550, 21.6670



128.1570, 78.3500, 33.8220



139.1190, -35.3890, -35.9730



80.8050, 5.0430, 2.2190



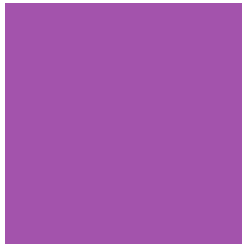
46.5600, 84.5850, 36.4650



7.1050, 13.0660, 5.4980

Previews

White Background



This preview shows how the YIQ color 117.0660, 19.1110, 44.6390 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 117.0660, 19.1110, 44.6390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

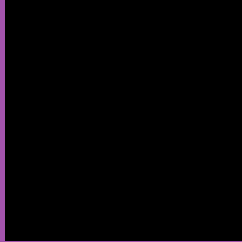
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.0660, 19.1110, 44.6390

Background



This preview shows how black text looks on a background with the YIQ color 117.0660, 19.1110, 44.6390.



This preview shows how white text looks on a background with the YIQ color 117.0660, 19.1110,

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

117.0660, 19.1110, 44.6390

Protanopia

111.3390, -48.4660, 19.3260

Deuteranopia

113.9480, -28.6120, 11.9320



Tritanopia

116.6560, 30.8080, 14.3600

Trichromacy



Original Color

117.0660, 19.1110, 44.6390

Protanomaly

113.1250, -24.0760, 28.8520

Deuteranomaly

115.1940, -11.3290, 23.6070

Tritanomaly

116.7670, 26.5420, 25.5980

Monochromacy



Original Color

117.0660, 19.1110, 44.6390

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

117.3190, 7.0120, 16.1000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.0660, 19.1110, 44.6390 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(163, 83, 172)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 172)  
}
```

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(163, 83, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 172) }
```

Border

The CSS property to change the border of an element to YIQ 117.0660, 19.1110, 44.6390 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(163, 83, 172) }
```


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

```
.border{ border-color:rgb(163, 83, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 83, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 172);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
172) }
```

Background

The CSS property to change the background color of an element to YIQ 117.0660, 19.1110, 44.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 172) }
```

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

```
.background{ background-color: rgb(163, 83,  
172) }
```

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