

Converting Colors

YIQ(117.0820, 13.0140, 39.4940)

Have a look what the booklet for
YIQ(117.0820, 13.0140, 39.4940)
contains.

YIQ(117.0820, 13.0140, 39.4940)	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(117.0820, 13.0140,
39.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	9A58AA
RGB	154, 88, 170
RGB Percent	60%, 35%, 67%
CMY	0.3959, 0.6550, 0.3333
CMYK	0.09, 0.48, 0.00, 0.33
HSL	288°, 33%, 51%
HSV	288°, 48%, 67%
XYZ	24.0794, 16.7523, 39.9931
YIQ	117.0820, 13.0140, 39.4940

Conversions

Conversions Part 2

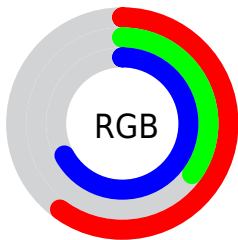
Format	Color
RYB	154, 88, 170
Decimal	10115242
CIELab	47.95, 40.75, -32.98
CIELCh	48, 52.420, 321.014
Yxy	16.7523, 0.2979, 0.2073
Android (android.graphics.Color)	4288305322 (0xFF9A58AA)
YUV	117.0820, 26.0886, 32.3771
Hunter-Lab	40.9296, 33.3870, -29.2827

Details

The YIQ color **117.0820, 13.0140, 39.4940** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **140.9180, -13.0140, -39.4940**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.7340, 14.1140, 41.5860**, and **65.8430, 12.1890, 37.9250** is the 20% darker color. If you saturate the color by 10%, you get **106.2060, 15.9010, 47.7490**, and if you desaturate by 10%, it is **127.9580, 10.1270, 31.2390**.

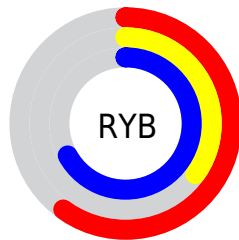
Distribution



Red (60%)

Green (35%)

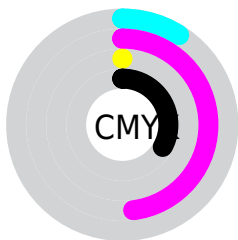
Blue (67%)



Red (60%)

Yellow (35%)

Blue (67%)

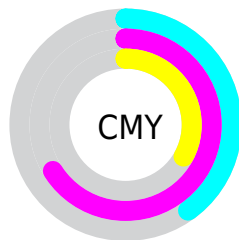


Cyan (9%)

Magenta (48%)

Yellow (0%)

Black (33%)



Cyan (40%)

Magenta (66%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.0820, 13.0140, 39.4940 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 117.0820, 13.0140, 39.4940 by changing the saturation by 10% instead.

■ 117.0820, 13.0140,
39.4940

■ 117.0820, 13.0140,
39.4940

■ 255.0000, -0.0000,
-0.0000

■ 91.2560, 12.4640,
38.4480

■ 170.7340, 14.1140,
41.5860

■ 65.8430, 12.1890,
37.9250

■ 198.4460, 14.9850,
42.3210

■ 38.7830, 12.4180,
39.2820

■ 219.7800, 16.5000,
31.3800

■ 22.7020, 7.9720,
31.7480

■ 236.2160, 8.8000,
16.7360

■ 14.2140, 3.1140,
20.6660

■ 253.2390, 0.8250,
1.5690

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,

0.0000

■ 117.0820, 13.0140,
39.4940

■ 117.0820, 13.0140,
39.4940

■ 106.2060, 15.9010,
47.7490

■ 127.9580, 10.1270,
31.2390

■ 95.0310, 18.1920,
55.7920

■ 139.1330, 7.8360,
23.1960

■ 84.1550, 21.0790,
64.0470

■ 150.0090, 4.9490,
14.9410

■ 73.2790, 23.9660,
72.3020

■ 160.8850, 2.0620,
6.6860

■ 62.4030, 26.8530,
80.5570

■ 172.0600, -0.2290,
-1.3570

■ 60.3430, 27.0820,
81.9140

■ 182.9360, -3.1160,
-9.6120

■ 193.8120, -6.0030,
-17.8670

■ 204.6880, -8.8900,
-26.1220

■ 215.8630,
-11.1810, -34.1650

Harmonies

Analogous

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



112.1660, -40.4890, 23.4390



117.0820, 13.0140, 39.4940



112.8830, 50.2430, 42.1070

Triad

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



117.0820, 13.0140, 39.4940



108.3580, 53.6930, -20.4430



95.6610, -83.3490, -25.8210

Complementary

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



117.0820, 13.0140, 39.4940



140.9180, -13.0140, -39.4940

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.



89.9440, -68.6290, -39.2930



117.0820, 13.0140, 39.4940



104.7730, 24.1230, -35.2130

Square

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



117.0820, 13.0140, 39.4940



110.5950, 67.1680, 5.1840



97.2310, -24.2010, -40.4970



97.6450, -94.4470, -11.9110

Rectangle

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



117.0820, 13.0140, 39.4940



110.3820, 64.5950, 35.3070



97.2310, -24.2010, -40.4970



93.9510, -78.5340, -30.4860

Sweetspot

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



117.0820, 13.0140, 39.4940



202.0090, 4.9490, 14.9410



106.7400, -30.7220, 17.1340



99.6510, 2.8410, 9.0890



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.



117.0820, 13.0140, 39.4940



138.8020, 20.5750, 62.1670



119.0160, 30.5750, 35.1110



79.0050, 1.6040, 3.9720



52.4530, 23.4160, 71.2560



7.0640, 3.1160, 9.6120

Inverse Universe

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



114.3420, 43.7360, 22.3600



134.4210, 68.8590, 35.1230



138.9840, -30.5750, -35.1110



78.5060, 4.4470, 2.0070



47.5580, 78.8990, 40.3950



6.4360, 10.6360, 5.4840

Previews

White Background



This preview shows how the YIQ color 117.0820, 13.0140, 39.4940 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 117.0820, 13.0140, 39.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

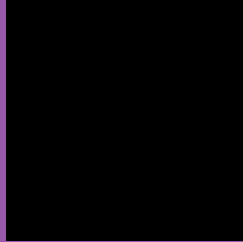
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.0820, 13.0140, 39.4940

Background



This preview shows how black text looks on a background with the YIQ color 117.0820, 13.0140, 39.4940.



This preview shows how white text looks on a background with the YIQ color 117.0820, 13.0140,

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

117.0820, 13.0140, 39.4940

Protanopia

111.7370, -43.8350, 17.9970

Deuteranopia

113.2470, -28.0160, 12.1440



Tritanopia

116.0680, 23.6560, 11.8160

Trichromacy



Original Color

117.0820, 13.0140, 39.4940

Protanomaly

113.6150, -22.7000, 25.9400

Deuteranomaly

114.7700, -13.0710, 22.1370

Tritanomaly

116.5380, 19.7570, 21.9090

Monochromacy



Original Color

117.0820, 13.0140, 39.4940

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.5960, 4.6740, 14.4180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.0820, 13.0140, 39.4940 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(154, 88, 170)` looks like.

```
.text, #text, p{  
    color:rgb(154, 88, 170)  
}
```

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(154, 88, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 88, 170) }
```

Border

The CSS property to change the border of an element to YIQ 117.0820, 13.0140, 39.4940 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(154, 88, 170) }
```


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

```
.border{ border-color:rgb(154, 88, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 88, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 88, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 88, 170); box-shadow:4px 4px 4px 4px rgb(154, 88, 170) }
```

Background

The CSS property to change the background color of an element to YIQ 117.0820, 13.0140, 39.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 88, 170) }
```

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

```
.background{ background-color: rgb(154, 88,  
170) }
```

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