

Converting Colors

YIQ(123.5940, 17.3240, 38.4760)

Have a look what the booklet for
YIQ(123.5940, 17.3240, 38.4760)
contains.

YIQ(123.5940, 17.3240, 38.4760)	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(123.5940, 17.3240,
38.4760)**

Conversions

Conversions Part 1

Format	Color
Hex	A45EAA
RGB	164, 94, 170
RGB Percent	64%, 37%, 67%
CMY	0.3566, 0.6315, 0.3333
CMYK	0.03, 0.45, 0.00, 0.33
HSL	295°, 31%, 52%
HSV	295°, 45%, 67%
XYZ	26.5771, 18.8009, 40.2596
YIQ	123.5940, 17.3240, 38.4760

Conversions

Conversions Part 2

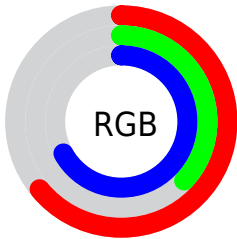
Format	Color
R_{YB}	164, 94, 170
Decimal	10772138
CIE _{Lab}	50.45, 40.52, -28.97
CIE _{LCh}	50, 49.815, 324.434
Yxy	18.8009, 0.3103, 0.2195
Android (android.graphics.Color)	4288962218 (0xFFA45EAA)
YUV	123.5940, 22.8782, 35.4361
Hunter-Lab	43.3600, 33.5300, -24.6986

Details

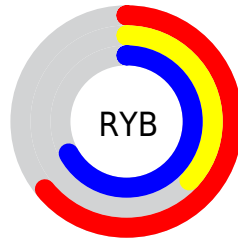
The YIQ color **123.5940, 17.3240, 38.4760** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **140.4060, -17.3240, -38.4760**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **177.2460, 18.4240, 40.5680**, and **72.0560, 15.9030, 36.6950** is the 20% darker color. If you saturate the color by 10%, you get **113.3160, 21.4030, 47.1550**, and if you desaturate by 10%, it is **133.8720, 13.2450, 29.7970**.

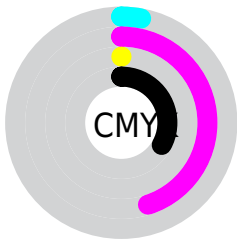
Distribution



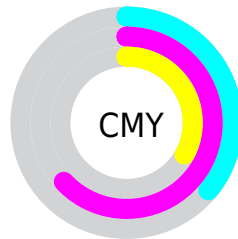
- Red (64%)
- Green (37%)
- Blue (67%)



- Red (64%)
- Yellow (37%)
- Blue (67%)



- Cyan (3%)
- Magenta (45%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (63%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 123.5940, 17.3240, 38.4760 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 123.5940, 17.3240, 38.4760 by changing the saturation by 10% instead.

123.5940, 17.3240,
38.4760

123.5940, 17.3240,
38.4760

255.0000, -0.0000,
-0.0000

97.7680, 16.7740,
37.4300

177.2460, 18.4240,
40.5680

72.0560, 15.9030,
36.6950

205.5450, 19.0200,
40.7800

45.9960, 16.1320,
38.0520

223.3020, 14.8500,
28.2420

25.8060, 13.6110,
34.1790

240.3250, 6.8750,
13.0750

16.9050, 8.4780,
22.5740

3.3230, -7.9790,
6.9410

0.0000, 0.0000,

0.0000

123.5940, 17.3240,
38.4760

123.5940, 17.3240,
38.4760

113.3160, 21.4030,
47.1550

133.8720, 13.2450,
29.7970

102.7390, 24.8860,
55.6220

144.4490, 9.7620,
21.3300

92.4610, 28.9650,
64.3010

154.7270, 5.6830,
12.6510

82.1830, 33.0440,
72.9800

165.0050, 1.6040,
3.9720

71.6060, 36.5270,
81.4470

175.5820, -1.8790,
-4.4950

66.3230, 39.0020,
86.1540

185.8600, -5.9580,
-13.1740

■ 196.1380,
-10.0370, -21.8530

■ 206.7150,
-13.5200, -30.3200

■ 216.9930,
-17.5990, -38.9990

Harmonies

Analogous

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



120.3090, -30.5860, 25.6860



123.5940, 17.3240, 38.4760



120.0740, 51.0230, 38.9830

Triad

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



123.5940, 17.3240, 38.4760



115.2480, 48.1910, -19.8490



99.7360, -87.9340, -25.3260

Complementary

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



123.5940, 17.3240, 38.4760



140.4060, -17.3240, -38.4760

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.



94.7200, -73.8100, -39.0100



123.5940, 17.3240, 38.4760



111.5320, 17.6120, -32.8520

Square

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



123.5940, 17.3240, 38.4760



117.7470, 63.6840, 2.2440



103.1320, -28.2360, -38.9560



101.2640, -97.7480, -12.6600

Rectangle

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



123.5940, 17.3240, 38.4760



118.2630, 63.3120, 31.0240



103.1320, -28.2360, -38.9560



98.7270, -83.7150, -30.2030

Sweetspot

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



123.5940, 17.3240, 38.4760



204.3790, 6.7830, 14.7430



106.1860, -26.0460, 20.4980



101.1350, 4.3540, 9.2020



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.



123.5940, 17.3240, 38.4760



148.5700, 27.0400, 60.6400



121.7400, 31.1720, 29.7960



79.0050, 1.6040, 3.9720



57.5360, 33.5480, 74.8600



7.9610, 4.9040, 10.2480

Inverse Universe

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



117.4080, 43.3700, 17.9780



138.9060, 68.6310, 28.2390



142.2600, -31.1720, -29.7960



78.3920, 4.7680, 1.6960



45.6200, 84.3560, 35.1080



6.2080, 11.2780, 4.8620

Previews

White Background



This preview shows how the YIQ color 123.5940, 17.3240, 38.4760 looks on a white 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

Black Background



This preview shows how the YIQ color 123.5940, 17.3240, 38.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

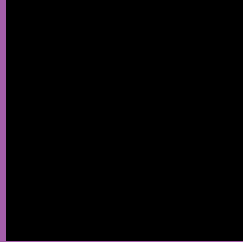
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 123.5940, 17.3240, 38.4760

Background



This preview shows how black text looks on a background with the YIQ color 123.5940, 17.3240, 38.4760.



This preview shows how white text looks on a background with the YIQ color 123.5940, 17.3240,

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

123.5940, 17.3240, 38.4760

Protanopia

119.0320, -37.4160, 17.3040

Deuteranopia

120.3570, -22.5140, 11.5500



Tritanopia

122.8620, 27.2320, 13.0880

Trichromacy



Original Color

123.5940, 17.3240, 38.4760

Protanomaly

120.4260, -17.7940, 25.1340

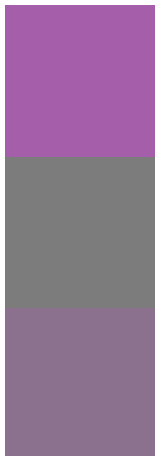
Deuteranomaly

121.5810, -8.1650, 21.3310

Tritanomaly

123.1040, 23.9750, 22.5590

Monochromacy



Original Color

123.5940, 17.3240, 38.4760

Achromatopsia

124.0000, -0.0000, -0.0000

Achromatomaly

123.9660, 6.5080, 14.2200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 123.5940, 17.3240, 38.4760 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(164, 94, 170)` looks like.

```
.text, #text, p{  
    color:rgb(164, 94, 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(164, 94, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 94, 170) }
```

Border

The CSS property to change the border of an element to YIQ 123.5940, 17.3240, 38.4760 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(164, 94, 170) }
```


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

```
.border{ border-color:rgb(164, 94, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 94, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 94, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 94, 170);  
box-shadow:4px 4px 4px 4px rgb(164, 94,  
170) }
```

Background

The CSS property to change the background color of an element to YIQ 123.5940, 17.3240, 38.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 94, 170) }
```

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

```
.background{ background-color: rgb(164, 94,  
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