

Converting Colors

YIQ(109.9560, 13.6090, 45.2330)

Have a look what the booklet for
YIQ(109.9560, 13.6090, 45.2330)
contains.

YIQ(109.9560, 13.6090, 45.2330)	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(109.9560, 13.6090,
45.2330)**

Conversions

Conversions Part 1

Format	Color
Hex	974DAC
RGB	151, 77, 172
RGB Percent	59%, 30%, 67%
CMY	0.4076, 0.6981, 0.3255
CMYK	0.12, 0.55, 0.00, 0.33
HSL	287°, 38%, 49%
HSV	287°, 55%, 67%
XYZ	22.8713, 14.8669, 40.6914
YIQ	109.9560, 13.6090, 45.2330

Conversions

Conversions Part 2

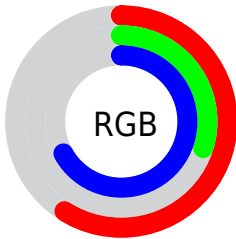
Format	Color
R_{YB}	151, 77, 172
Decimal	9915820
CIE _{Lab}	45.45, 46.12, -38.11
CIE _{LCh}	45, 59.827, 320.432
Yxy	14.8669, 0.2916, 0.1896
Android (android.graphics.Color)	4288105900 (0xFF974DAC)
YUV	109.9560, 30.5877, 35.9956
Hunter-Lab	38.5576, 38.4055, -35.5808

Details

The YIQ color **109.9560, 13.6090, 45.2330** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **139.0440, -13.6090, -45.2330**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.6080, 14.7090, 47.3250**, and **56.6570, 13.0130, 45.0210** is the 20% darker color. If you saturate the color by 10%, you get **98.7810, 15.9000, 53.2760**, and if you desaturate by 10%, it is **121.1310, 11.3180, 37.1900**.

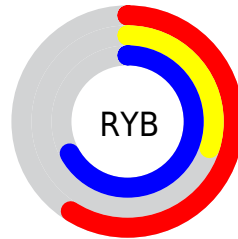
Distribution



Red (59%)

Green (30%)

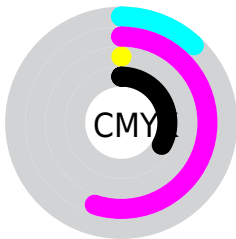
Blue (67%)



Red (59%)

Yellow (30%)

Blue (67%)

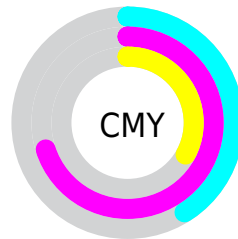


Cyan (12%)

Magenta (55%)

Yellow (0%)

Black (33%)



Cyan (41%)


Magenta (70%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 109.9560, 13.6090, 45.2330 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 109.9560, 13.6090, 45.2330 by changing the saturation by 10% instead.


 109.9560, 13.6090,
45.2330


 109.9560, 13.6090,
45.2330


255.0000, -0.0000,
-0.0000


 83.5430, 13.3340,
44.7100

 163.6080, 14.7090,
47.3250


 56.6570, 13.0130,
45.0210


 191.2060, 15.9010,
47.7490


 31.9450, 12.1420,
44.2860


 213.3230, 19.5250,
37.1330

 21.7340, 4.9460,
31.5220

 229.7590, 11.8250,
22.4890

 11.9360, -1.9750,
19.2810

 246.7820, 3.8500,
7.3220

 3.4370, -8.3000,
7.2520

 0.0000, 0.0000,

0.0000

109.9560, 13.6090,
45.2330

109.9560, 13.6090,
45.2330

98.7810, 15.9000,
53.2760

121.1310, 11.3180,
37.1900

87.6060, 18.1910,
61.3190

132.3060, 9.0270,
29.1470

76.1430, 21.3530,
70.0970

143.7690, 5.8650,
20.3690

64.9680, 23.6440,
78.1400

154.9440, 3.5740,
12.3260

59.6740, 24.6520,
81.9000

166.1190, 1.2830,
4.2830

177.2940, -1.0080,
-3.7600

■ 188.4690, -3.2990,
-11.8030

■ 199.9320, -6.4610,
-20.5810

■ 211.1070, -8.7520,
-28.6240

Harmonies

Analogous

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



102.6470, -52.0890, 24.4150



109.9560, 13.6090, 45.2330



102.2740, 56.7520, 50.8000

Triad

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



109.9560, 13.6090, 45.2330



101.4570, 57.7280, -21.9840



92.3840, -81.0110, -24.1390

Complementary

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



109.9560, 13.6090, 45.2330



139.0440, -13.6090, -45.2330

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.



85.8690, -64.0440, -39.7880



109.9560, 13.6090, 45.2330



96.8070, 26.7830, -39.3690

Square

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



109.9560, 13.6090, 45.2330



101.4280, 75.0080, 6.2720



84.2850, -33.4610, -48.8930



95.5250, -93.9890, -9.1970

Rectangle

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



109.9560, 13.6090, 45.2330



99.6160, 72.9840, 42.9680



84.2850, -33.4610, -48.8930



90.4460, -75.5540, -29.4260

Sweetspot

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



109.9560, 13.6090, 45.2330



199.3020, 5.6820, 18.1780



100.7440, -36.5450, 18.0390



97.5910, 3.0700, 10.4460



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.



109.9560, 13.6090, 45.2330



127.5560, 21.6280, 70.6200



113.3850, 34.1500, 41.9100



81.1190, 1.2830, 4.2830



52.0830, 21.5820, 71.4540



8.0040, 3.3450, 10.9690

Inverse Universe

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



107.7990, 49.8790, 26.6710



124.0140, 77.6150, 41.6390



135.6150, -34.1500, -41.9100



80.9190, 4.7220, 2.5300



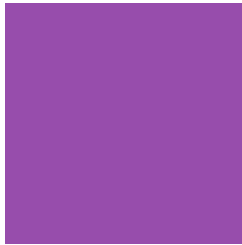
48.6120, 78.8070, 42.0630



7.4470, 12.1030, 6.4310

Previews

White Background



This preview shows how the YIQ color 109.9560, 13.6090, 45.2330 looks on a white background.

Color Contrast Check

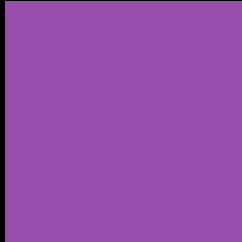
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.9560, 13.6090, 45.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

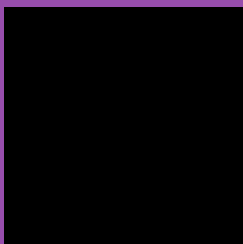
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.9560, 13.6090, 45.2330

Background



This preview shows how black text looks on a background with the YIQ color 109.9560, 13.6090, 45.2330.



This preview shows how white text looks on a background with the YIQ color 109.9560, 13.6090,

45.2330.

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

109.9560, 13.6090, 45.2330

Protanopia

102.4460, -56.0770, 19.5950

Deuteranopia

105.9410, -35.9020, 11.8900



Tritanopia

109.5520, 25.1690, 11.9290

Trichromacy



Original Color

109.9560, 13.6090, 45.2330

Protanomaly

105.4170, -30.7700, 29.0220

Deuteranomaly

107.4860, -18.0230, 23.7770

Tritanomaly

109.4890, 21.4530, 24.2130

Monochromacy



Original Color

109.9560, 13.6090, 45.2330

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

110.0630, 4.8570, 16.6090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.9560, 13.6090, 45.2330 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(151, 77, 172)` looks like.

```
.text, #text, p{  
    color:rgb(151, 77, 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(151, 77, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 77, 172) }
```

Border

The CSS property to change the border of an element to YIQ 109.9560, 13.6090, 45.2330 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(151, 77, 172) }
```


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

```
.border{ border-color:rgb(151, 77, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 77, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 77, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 77, 172);  
box-shadow:4px 4px 4px 4px rgb(151, 77,  
172) }
```

Background

The CSS property to change the background color of an element to YIQ 109.9560, 13.6090, 45.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 77, 172) }
```

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

```
.background{ background-color: rgb(151, 77,  
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](#).

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