

# Converting Colors

YIQ(119.1930, 25.9430, 41.9670)

Have a look what the booklet for  
YIQ(119.1930, 25.9430, 41.9670)  
contains.

<b>YIQ(119.1930, 25.9430, 41.9670)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(119.1930, 25.9430,  
41.9670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA55A2
RGB	170, 85, 162
RGB Percent	67%, 33%, 64%
CMY	0.3331, 0.6668, 0.3647
CMYK	0.00, 0.50, 0.05, 0.33
HSL	306°, 33%, 50%
HSV	306°, 50%, 67%
XYZ	26.3596, 17.6536, 36.2057
YIQ	119.1930, 25.9430, 41.9670

# Conversions

## Conversions Part 2

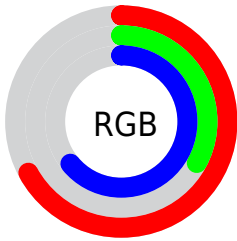
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 85, 162
Decimal	11163042
CIE <sub>Lab</sub>	49.07, 45.58, -26.36
CIE <sub>LCh</sub>	49, 52.653, 329.952
Yxy	17.6536, 0.3286, 0.2201
Android (android.graphics.Color)	4289353122 (0xFFAA55A2)
YUV	119.1930, 21.1039, 44.5577
Hunter-Lab	42.0162, 38.4570, -21.6794

# Details

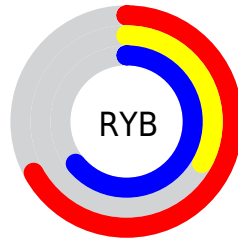
The YIQ color **119.1930, 25.9430, 41.9670** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **135.8070, -25.9430, -41.9670**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **173.6170, 27.6850, 43.4370**, and **66.0080, 25.0260, 42.0660** is the 20% darker color. If you saturate the color by 10%, you get **108.9860, 31.2600, 50.2360**, and if you desaturate by 10%, it is **129.4000, 20.6260, 33.6980**.

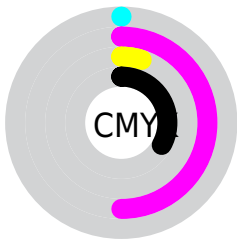
# Distribution



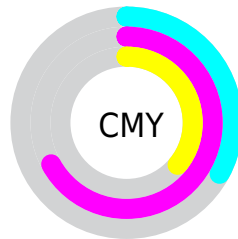
- Red (67%)
- Green (33%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (50%)
- Yellow (5%)
- Black (33%)



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

# Brightness & Saturation Gradients

These gradients show how the YIQ color 119.1930, 25.9430, 41.9670 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 119.1930, 25.9430, 41.9670 by changing the saturation by 10% instead.



■ 119.1930, 25.9430,  
41.9670

■ 119.1930, 25.9430,  
41.9670

■ 255.0000, -0.0000,  
-0.0000

■ 92.5950, 24.7510,  
41.5430

■ 173.6170, 27.6850,  
43.4370

■ 66.0080, 25.0260,  
42.0660

■ 201.1440, 27.6390,  
44.2710

■ 36.3010, 25.7590,  
45.3030

■ 218.6060, 17.0500,  
32.4260

■ 26.2040, 18.2420,  
32.8500

■ 235.0420, 9.3500,  
17.7820

■ 17.1180, 12.1920,  
21.3440

■ 252.0650, 1.3750,  
2.6150

■ 2.5250, -5.7320,  
4.7640

■ 0.0000, 0.0000,

0.0000

■ 119.1930, 25.9430,  
41.9670

■ 119.1930, 25.9430,  
41.9670

■ 108.9860, 31.2600,  
50.2360

■ 129.4000, 20.6260,  
33.6980

■ 98.8930, 36.2560,  
58.8160

■ 139.4930, 15.6300,  
25.1180

■ 88.6860, 41.5730,  
67.0850

■ 149.7000, 10.3130,  
16.8490

■ 78.5930, 46.5690,  
75.6650

■ 159.7930, 5.3170,  
8.2690

■ 68.3860, 51.8860,  
83.9340

■ 170.0000, -0.0000,  
0.0000

■ 180.2070, -5.3170,  
-8.2690

■ 190.3000,  
-10.3130, -16.8490

■ 200.5070,  
-15.6300, -25.1180

■ 210.6000,  
-20.6260, -33.6980

# Harmonies

## Analogous

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



118.4350, -22.0130, 30.0110



119.1930, 25.9430, 41.9670



114.7220, 57.9460, 40.1700

# Triad

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



119.1930, 25.9430, 41.9670



109.8470, 47.6420, -26.4220



98.6590, -89.0350, -21.8910

# Complementary

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



119.1930, 25.9430, 41.9670



135.8070, -25.9430, -41.9670

# 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.



93.5290, -74.5900, -35.8860



119.1930, 25.9430, 41.9670



106.4880, 11.7440, -36.6400

# Square

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



119.1930, 25.9430, 41.9670



112.8840, 64.5560, -2.5480



91.4220, -49.7840, -44.9200



99.4860, -98.2530, -9.0130



# Rectangle

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



119.1930, 25.9430, 41.9670



113.0740, 68.2180, 30.2180



91.4220, -49.7840, -44.9200



97.6500, -84.8160, -26.7680

# Sweetspot

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



119.1930, 25.9430, 41.9670



202.2870, 10.0380, 16.3260



96.7830, -23.1130, 27.9190



100.0320, 6.1420, 9.8380



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.



119.1930, 25.9430, 41.9670



142.4470, 40.7480, 65.5160



114.4050, 39.4250, 28.9050



79.1900, 2.5210, 3.8730



59.5280, 45.1940, 73.0500



8.0320, 6.1420, 9.8380



# Inverse Universe

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



119.1930, 25.9430, 41.9670



142.4470, 40.7480, 65.5160



140.5950, -39.4250, -28.9050



79.1900, 2.5210, 3.8730



59.5280, 45.1940, 73.0500



8.0320, 6.1420, 9.8380



# Previews

## White Background



This preview shows how the YIQ color 119.1930, 25.9430, 41.9670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

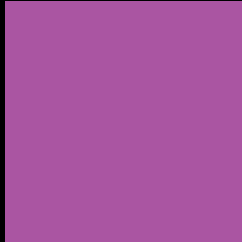
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 119.1930, 25.9430, 41.9670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

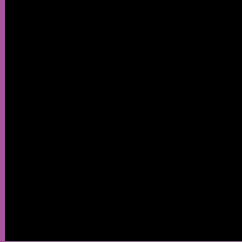
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 119.1930, 25.9430, 41.9670

## Background



This preview shows how black text looks on a background with the YIQ color 119.1930, 25.9430, 41.9670.



This preview shows how white text looks on a background with the YIQ color 119.1930, 25.9430,



# 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

119.1930, 25.9430, 41.9670

### Protanopia

115.6190, -37.6910, 16.7810

### Deuteranopia

117.0970, -18.8460, 11.1540



## Tritanopia

118.3470, 36.1720, 16.2680

# Trichromacy



## Original Color

119.1930, 25.9430, 41.9670

## Protanomaly

116.8070, -14.4930, 25.8830

## Deuteranomaly

117.7450, -2.7550, 22.4050

## Tritanomaly

118.5890, 32.9150, 25.7390

# Monochromacy



## Original Color

119.1930, 25.9430, 41.9670

## Achromatopsia

119.0000, -0.0000, 0.0000

## Achromatomaly

119.4610, 9.4880, 15.2800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 119.1930, 25.9430, 41.9670 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(170, 85, 162)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 162)  
}
```

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(170, 85, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 162) }
```

## Border

The CSS property to change the border of an element to YIQ 119.1930, 25.9430, 41.9670 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(170, 85, 162) }
```



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

```
.border{ border-color:rgb(170, 85, 162) }
```

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

Here you see how a box with a 4 pixel rgb(170, 85, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 162);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
162) }
```

# Background

The CSS property to change the background color of an element to YIQ 119.1930, 25.9430, 41.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 162) }
```

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

```
.background{ background-color: rgb(170, 85,  
162) }
```

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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