

# Converting Colors

YIQ(117.6240, -16.6100,  
69.7740)

Have a look what the booklet for  
YIQ(117.6240, -16.6100, 69.7740)  
contains.

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# Color

**YIQ(117.6240, -16.6100,  
69.7740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	914DFF
RGB	145, 77, 255
RGB Percent	57%, 30%, 100%
CMY	0.4311, 0.6981, 0.0002
CMYK	0.43, 0.70, 0.00, 0.00
HSL	263°, 100%, 65%
HSV	263°, 70%, 100%
XYZ	32.3829, 18.5465, 96.4370
YIQ	117.6240, -16.6100, 69.7740

# Conversions

## Conversions Part 2

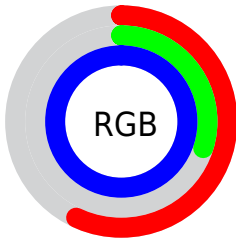
Format	Color
<a href="#">RYB</a>	<a href="#">145, 77, 255</a>
Decimal	<a href="#">9522687</a>
CIELab	<a href="#">50.15, 64.08, -78.01</a>
CIELCh	<a href="#">50, 100.956, 309.399</a>
Yxy	<a href="#">18.5465, 0.2197, 0.1259</a>
Android (android.graphics.Color)	<a href="#">4287712767</a> ( <a href="#">0xFF914DFF</a> )
YUV	<a href="#">117.6240, 67.7264, 24.0088</a>
Hunter-Lab	<a href="#">43.0657, 58.8565, -102.6221</a>

# Details

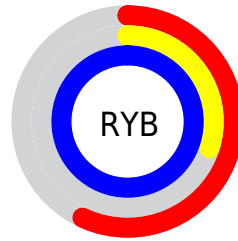
The YIQ color **117.6240, -16.6100, 69.7740** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **214.3760, 16.6100, -69.7740**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.5610, 4.8960, 54.4640**, and **57.8410, -18.7190, 69.4490** is the 20% darker color. If you saturate the color by 10%, you get **97.5780, -18.9960, 79.9800**, and if you desaturate by 10%, it is **137.0830, -13.9490, 60.0910**.

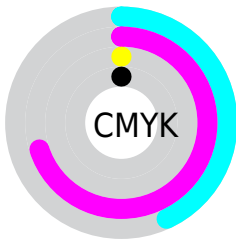
# Distribution



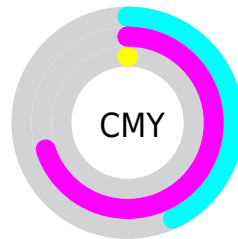
- Red (57%)
- Green (30%)
- Blue (100%)



- Red (57%)
- Yellow (30%)
- Blue (100%)



- Cyan (43%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (70%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.6240, -16.6100, 69.7740 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 117.6240, -16.6100, 69.7740 by changing the saturation by 10% instead.



■ 117.6240,  
-16.6100, 69.7740

■ 117.6240,  
-16.6100, 69.7740

■ 255.0000, -0.0000,  
-0.0000

■ 89.2000, -18.3520,  
68.3040

■ 167.5610, 4.8960,  
54.4640

■ 57.8410, -18.7190,  
69.4490

■ 192.3800, 15.3510,  
46.7030

■ 33.3190, -26.2370,  
62.5230

■ 214.4970, 18.9750,  
36.0870

■ 16.0740, -45.2610,  
43.8510

■ 231.5200, 11.0000,  
20.9200

■ 13.1100, -36.9150,  
35.7650

■ 248.5430, 3.0250,  
5.7530

■ 10.1460, -28.5690,  
27.6790

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 117.6240,  
-16.6100, 69.7740

■ 117.6240,  
-16.6100, 69.7740

■ 97.5780, -18.9960,  
79.9800

■ 137.0830,  
-13.9490, 60.0910

■ 78.4180, -21.0610,  
89.8750

■ 157.1290,  
-11.5630, 49.8850

■ 58.3720, -23.4470,  
100.0810

■ 176.2890, -9.4980,  
39.9900

■ 196.3350, -7.1120,  
29.7840

■ 215.7940, -4.4510,  
20.1010

■ 235.8400, -2.0650,  
9.8950

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



101.8580, -115.9550, 14.4530



117.6240, -16.6100, 69.7740



91.3120, 82.2340, 106.6340

# Triad

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



117.6240, -16.6100, 69.7740



110.8250, 89.4070, -6.8890



105.7540, -88.3450, -34.4010

# Complementary

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



117.6240, -16.6100, 69.7740



214.3760, 16.6100, -69.7740

# 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.



93.3910, -57.6670, -61.7550



117.6240, -16.6100, 69.7740



109.5540, 37.7410, -39.7230

# Square

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



117.6240, -16.6100, 69.7740



72.4720, 143.9110, 51.6150



83.3540, -39.0500, -74.2660



115.2160, -114.9880, -8.5880



# Rectangle

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



117.6240, -16.6100, 69.7740



90.4950, 111.8550, 92.9350



83.3540, -39.0500, -74.2660



101.7470, -78.4400, -43.2080

# Sweetspot

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



117.6240, -16.6100, 69.7740



213.4350, -4.8180, 21.2460



163.6230, -88.2130, -3.7410



103.2360, -3.1200, 12.4960



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



117.6240, -16.6100, 69.7740



89.9140, -19.8220, 83.9380



143.3380, 34.6460, 88.0060



117.9770, -1.1930, 5.1030



43.6010, -17.8030, 74.8770



14.4720, -6.2400, 24.9920



# Inverse Universe

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



142.7620, 70.7780, 71.9460



120.0340, 85.1720, 86.4200



188.6620, -34.6460, -88.0060



119.7990, 5.1800, 5.2440



70.5610, 75.9580, 77.1900

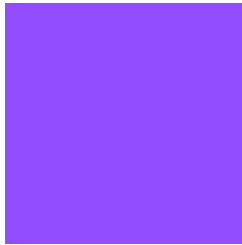


23.5820, 25.6250, 25.6970



# Previews

## White Background



This preview shows how the YIQ color 117.6240, -16.6100, 69.7740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

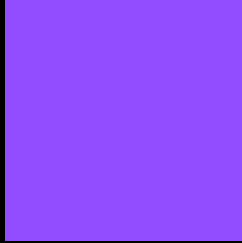
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 117.6240, -16.6100, 69.7740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

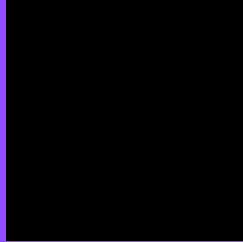
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 117.6240, -16.6100, 69.7740

## Background



This preview shows how black text looks on a background with the YIQ color 117.6240, -16.6100, 69.7740.



This preview shows how white text looks on a background with the YIQ color 117.6240, -16.6100, 69.7740.

69.7740.

# 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

117.6240, -16.6100, 69.7740

### Protanopia

95.2070, -109.6280, 15.4280

### Deuteranopia

95.5540, -100.9600, 1.5040



## Tritanopia

118.8300, -5.2730, 1.9510

# Trichromacy



## Original Color

117.6240, -16.6100, 69.7740



## Protanomaly

103.2920, -75.4740, 35.2300



## Deuteranomaly

103.8330, -70.1080, 26.0840



## Tritanomaly

118.5580, -9.3580, 26.4340

# Monochromacy



## Original Color

117.6240, -16.6100, 69.7740



## Achromatopsia

118.0000, 0.0000, -0.0000



## Achromatomaly

117.8850, -5.9650, 25.5150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.6240, -16.6100, 69.7740 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(145, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 77, 255)  
}
```

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(145, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 77, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 117.6240, -16.6100, 69.7740 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(145, 77, 255) }
```



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

```
.border{ border-color:rgb(145, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 77,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.6240, -16.6100, 69.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 77, 255) }
```

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

```
.background{ background-color: rgb(145, 77,  
255) }
```

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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