

# Converting Colors

YIQ(139.7000, 11.4540, 45.7420)

Have a look what the booklet for  
YIQ(139.7000, 11.4540, 45.7420)  
contains.

|  |    |
|--|----|
| <b>YIQ(139.7000, 11.4540, 45.7420)</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(139.7000, 11.4540,  
45.7420)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B36BCD                     |
| RGB         | 179, 107, 205              |
| RGB Percent | 70%, 42%, 80%              |
| CMY         | 0.2978, 0.5805, 0.1961     |
| CMYK        | 0.13, 0.48, 0.00, 0.20     |
| HSL         | 284°, 49%, 61%             |
| HSV         | 284°, 48%, 80%             |
| XYZ         | 34.8772, 24.5073, 60.6448  |
| YIQ         | 139.7000, 11.4540, 45.7420 |

# Conversions

## Conversions Part 2

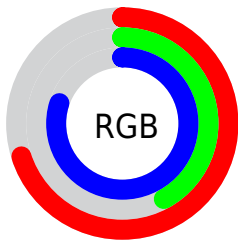
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 179, 107, 205                 |
| Decimal                             | 11758541                      |
| CIE <sub>Lab</sub>                  | 56.59, 45.07, -39.39          |
| CIE <sub>LCh</sub>                  | 57, 59.857, 318.841           |
| Yxy                                 | 24.5073, 0.2906,<br>0.2042    |
| Android<br>(android.graphics.Color) | 4289948621<br>(0xFFB36BCD)    |
| YUV                                 | 139.7000, 32.1929,<br>34.4661 |
| Hunter-Lab                          | 49.5049, 39.1234,<br>-37.9785 |

# Details

The YIQ color  $139.7000, 11.4540, 45.7420$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $172.3000, -11.4540, -45.7420$ , and the grayscale version is  $139.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $193.5540, 14.8010, 45.6570$ , and  $87.0480, 10.3540, 43.6500$  is the 20% darker color. If you saturate the color by 10%, you get  $125.8780, 14.2490, 55.6650$ , and if you desaturate by 10%, it is  $152.9350, 8.9340, 36.3420$ .

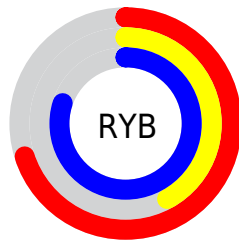
# Distribution



Red (70%)

Green (42%)

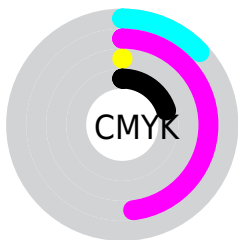
Blue (80%)



Red (70%)

Yellow (42%)

Blue (80%)

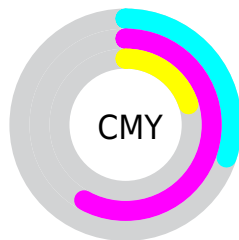


Cyan (13%)

Magenta (48%)

Yellow (0%)

Black (20%)



Cyan (30%)

Magenta (58%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 139.7000, 11.4540, 45.7420 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 139.7000, 11.4540, 45.7420 by changing the saturation by 10% instead.



139.7000, 11.4540,  
45.7420

139.7000, 11.4540,  
45.7420

255.0000, -0.0000,  
-0.0000

112.8740, 10.9040,  
44.6960

193.5540, 14.8010,  
45.6570

87.0480, 10.3540,  
43.6500

215.6710, 18.4250,  
35.0410

61.0480, 10.3540,  
43.6500

232.1070, 10.7250,  
20.3970

32.8140, 11.1330,  
46.0530

249.1300, 2.7500,  
5.2300

22.1900, 3.6620,  
32.7660

12.6910, -2.6630,  
20.7370

4.4800, -9.8590,

7.9730

■ 0.0000, 0.0000,  
0.0000

■ 139.7000, 11.4540,  
45.7420

■ 139.7000, 11.4540,  
45.7420

■ 125.8780, 14.2490,  
55.6650

■ 152.9350, 8.9340,  
36.3420

■ 112.3440, 16.1730,  
64.8530

■ 167.0560, 6.7350,  
26.6310

■ 98.5220, 18.9680,  
74.7760

■ 180.2910, 4.2150,  
17.2310

■ 84.9880, 20.8920,  
83.9640

■ 194.4120, 2.0160,  
7.5200

■ 71.1660, 23.6870,  
93.8870

■ 207.6470, -0.5040,  
-1.8800

68.5190, 24.1910,  
95.7670

221.7680, -2.7030,  
-11.5910

235.0030, -5.2230,  
-20.9910

239.4330, -3.6180,  
-22.5460

241.2270, -0.0420,  
-21.2740

# Harmonies

## Analogous

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



132.1030, -53.3730, 25.6590



139.7000, 11.4540, 45.7420



134.8610, 56.4770, 50.2770

# Triad

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



139.7000, 11.4540, 45.7420



129.3500, 65.3390, -22.2530



113.0720, -97.9280, -31.4320

# Complementary

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



139.7000, 11.4540, 45.7420



172.3000, -11.4540, -45.7420

# 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.



106.3290, -80.3190, -47.7030



139.7000, 11.4540, 45.7420



125.0910, 31.7350, -41.0090

# Square

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



139.7000, 11.4540, 45.7420



131.9340, 79.4550, 8.2790



117.2000, -22.9160, -47.2680



116.4410, -111.5480, -15.8680



# Rectangle

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



139.7000, 11.4540, 45.7420



131.6870, 74.2220, 42.5580



117.2000, -22.9160, -47.2680



111.0200, -92.1500, -37.0300

# Sweetspot

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



139.7000, 11.4540, 45.7420



231.1770, 4.5360, 16.9200



133.4340, -38.6080, 16.8800



113.2920, 2.4740, 10.2340



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.



139.7000, 11.4540, 45.7420



158.5230, 17.2270, 67.7790



144.8520, 34.3330, 44.1010



95.2330, 0.9620, 4.5940



55.4020, 19.4260, 77.4900



12.7040, 4.4900, 17.7540



# Inverse Universe

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



139.2660, 50.0620, 28.8620



157.6870, 74.2220, 42.5580



167.1480, -34.3330, -44.1010



95.2180, 5.3180, 2.7420



54.6500, 84.8120, 48.8760



12.5020, 19.4380, 11.1660



# Previews

## White Background



This preview shows how the YIQ color 139.7000, 11.4540, 45.7420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

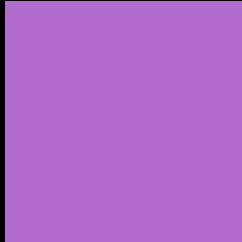
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 139.7000, 11.4540, 45.7420 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 139.7000, 11.4540, 45.7420

## Background



This preview shows how black text looks on a background with the YIQ color 139.7000, 11.4540, 45.7420.



This preview shows how white text looks on a background with the YIQ color 139.7000, 11.4540,



# 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

139.7000, 11.4540, 45.7420

### Protanopia

132.7670, -52.5470, 21.7010

### Deuteranopia

134.6360, -36.3610, 14.7030



## Tritanopia

138.4810, 23.9310, 12.3390

# Trichromacy



**Original Color**

139.7000, 11.4540, 45.7420

**Protanomaly**

135.5420, -29.6240, 30.2800

**Deuteranomaly**

136.4690, -19.3530, 25.8550

**Tritanomaly**

139.1190, 19.6190, 24.4110

# Monochromacy



**Original Color**

139.7000, 11.4540, 45.7420

**Achromatopsia**

140.0000, 0.0000, 0.0000

**Achromatomaly**

139.8780, 3.9400, 16.7080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 139.7000, 11.4540, 45.7420 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(179, 107, 205)` looks like.

```
.text, #text, p{  
    color:rgb(179, 107, 205)  
}
```

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(179, 107, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 107, 205) }
```

## Border

The CSS property to change the border of an element to YIQ 139.7000, 11.4540, 45.7420 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(179, 107, 205) }
```



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

```
.border{ border-color:rgb(179, 107, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 107, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 107, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 107, 205);  
box-shadow:4px 4px 4px 4px rgb(179, 107,  
205) }
```

# Background

The CSS property to change the background color of an element to YIQ 139.7000, 11.4540, 45.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 107, 205) }
```

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

```
.background{ background-color: rgb(179,  
107, 205) }
```

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