

Converting Colors

YIQ(149.6540, -0.1000, 45.8840)

Have a look what the booklet for
YIQ(149.6540, -0.1000, 45.8840)
contains.

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Color

**YIQ(149.6540, -0.1000,
45.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	B278E4
RGB	178, 120, 228
RGB Percent	70%, 47%, 89%
CMY	0.3017, 0.5295, 0.1060
CMYK	0.22, 0.47, 0.00, 0.11
HSL	272°, 67%, 68%
HSV	272°, 47%, 89%
XYZ	39.0863, 28.4986, 76.8239
YIQ	149.6540, -0.1000, 45.8840

Conversions

Conversions Part 2

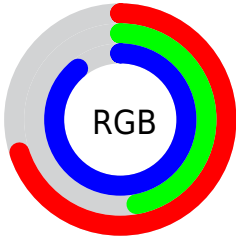
Format	Color
R_{YB}	178, 120, 228
Decimal	11696356
CIE _{Lab}	60.34, 42.78, -46.44
CIE _{LCh}	60, 63.140, 312.656
Yxy	28.4986, 0.2707, 0.1973
Android (android.graphics.Color)	4289886436 (0xFFB278E4)
YUV	149.6540, 38.6246, 24.8594
Hunter-Lab	53.3840, 37.2706, -47.9542

Details

The YIQ color $149.6540, -0.1000, 45.8840$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $198.3460, 0.1000, -45.8840$, and the grayscale version is $149.0000, 0.0000, -0.0000$.

A 20% lighter version of the original color is $201.7720, 10.9510, 38.3350$, and $96.8880, -0.8790, 43.4810$ is the 20% darker color. If you saturate the color by 10%, you get $133.1630, 0.2650, 55.7930$, and if you desaturate by 10%, it is $166.4440, 0.1310, 36.1870$.

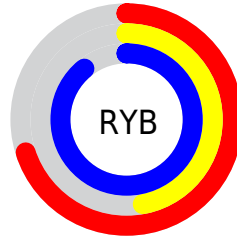
Distribution



Red (70%)

Green (47%)

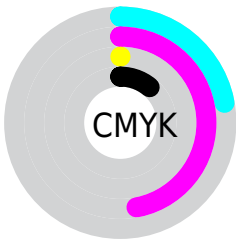
Blue (89%)



Red (70%)

Yellow (47%)

Blue (89%)

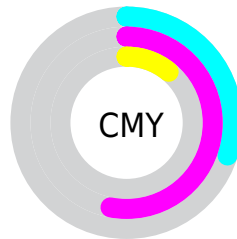


Cyan (22%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (30%)

Magenta (53%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 149.6540, -0.1000, 45.8840 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 149.6540, -0.1000, 45.8840 by changing the saturation by 10% instead.

149.6540, -0.1000,
45.8840

149.6540, -0.1000,
45.8840

255.0000, -0.0000,
-0.0000

122.8280, -0.6500,
44.8380

201.7720, 10.9510,
38.3350

96.8880, -0.8790,
43.4810

223.3020, 14.8500,
28.2420

71.6490, -1.7040,
41.9120

240.3250, 6.8750,
13.0750

45.3500, -2.3000,
41.7000

23.1600, -4.8210,
37.8270

13.8460, -10.2290,
25.6990

7.0050, -15.5910,

12.7370

■ 3.3230, -7.9790,
6.9410

■ 0.0000, 0.0000,
0.0000

■ 149.6540, -0.1000,
45.8840

■ 149.6540, -0.1000,
45.8840

■ 133.1630, 0.2650,
55.7930

■ 166.4440, 0.1310,
36.1870

■ 116.3730, 0.0340,
65.4900

■ 182.9350, -0.2340,
26.2780

■ 100.1700, -0.4720,
74.6640

■ 199.1380, 0.2720,
17.1040

■ 83.6790, -0.1070,
84.5730

■ 215.6290, -0.0930,
7.1950

66.8890, -0.3380,
94.2700

232.4190, 0.1380,
-2.5020

62.7690, 0.1200,
96.9840

247.7360, 0.3230,
-11.3650

251.0250, 6.8790,
-9.0330

251.9220, 8.6670,
-8.3970

Harmonies

Analogous

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



135.1260, -78.5430, 19.2570



149.6540, -0.1000, 45.8840



145.9300, 52.0290, 53.7970

Triad

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



149.6540, -0.1000, 45.8840



139.8890, 74.1870, -17.4050



120.1160, -101.2280, -37.7080

Complementary

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



149.6540, -0.1000, 45.8840



198.3460, 0.1000, -45.8840

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.



112.3300, -82.0600, -54.7000



149.6540, -0.1000, 45.8840



134.7950, 44.2520, -42.0840

Square

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



149.6540, -0.1000, 45.8840



141.2710, 86.0560, 15.3040



128.4910, -10.6740, -48.8660



124.2830, -117.0950, -19.9670

Rectangle

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



149.6540, -0.1000, 45.8840



142.0880, 74.7710, 49.1310



128.4910, -10.6740, -48.8660



117.3630, -94.8540, -43.0940

Sweetspot

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



149.6540, -0.1000, 45.8840



228.7850, -0.2320, 15.2240



161.6620, -48.4180, 7.4380



111.7970, -0.5060, 9.1740



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.



149.6540, -0.1000, 45.8840



149.8520, -0.0570, 61.6310



164.1480, 30.9840, 55.2400



106.1620, -0.2760, 5.0040



49.1100, -0.2430, 76.0210



13.8870, -0.2790, 21.5850

Inverse Universe

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



157.9920, 48.3180, 38.4460



160.9930, 64.9130, 51.5770



183.8520, -30.9840, -55.2400



107.2720, 5.2260, 4.4100



62.9830, 80.0410, 63.7610



17.9850, 22.6920, 18.2760

Previews

White Background



This preview shows how the YIQ color 149.6540, -0.1000, 45.8840 looks on a white background.

Color Contrast Check

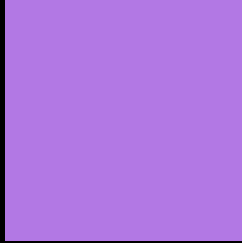
Large Text (above 18pt) WCAG AA ✓ Pass

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 149.6540, -0.1000, 45.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

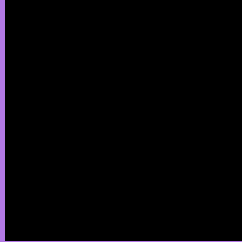
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 149.6540, -0.1000, 45.8840

Background



This preview shows how black text looks on a background with the YIQ color 149.6540, -0.1000, 45.8840.



This preview shows how white text looks on a background with the YIQ color 149.6540, -0.1000,

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

149.6540, -0.1000, 45.8840

Protanopia

141.5260, -59.0580, 24.0620

Deuteranopia

142.5300, -47.6860, 16.2020



Tritanopia

147.3270, 12.5610, 9.1450

Trichromacy



Original Color

149.6540, -0.1000, 45.8840



Protanomaly

144.4040, -37.9230, 32.0050



Deuteranomaly

145.2490, -30.3570, 27.0430



Tritanomaly

148.0190, 8.1570, 22.8850

Monochromacy



Original Color

149.6540, -0.1000, 45.8840



Achromatopsia

150.0000, -0.0000, -0.0000



Achromatomaly

149.7250, -0.0030, 16.5810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 149.6540, -0.1000, 45.8840 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(178, 120, 228)` looks like.

```
.text, #text, p{  
    color:rgb(178, 120, 228)  
}
```

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(178, 120, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 120, 228) }
```

Border

The CSS property to change the border of an element to YIQ 149.6540, -0.1000, 45.8840 is called "border". The border property can be set on classes, ids or directly on the HTML element.

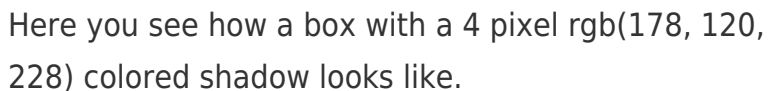
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 120, 228) }
```


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

```
.border{ border-color:rgb(178, 120, 228) }
```

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



Here you see how a box with a 4 pixel rgb(178, 120, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 120, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 120, 228);  
box-shadow:4px 4px 4px 4px rgb(178, 120,  
228) }
```

Background

The CSS property to change the background color of an element to YIQ 149.6540, -0.1000, 45.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 120, 228) }
```

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

```
.background{ background-color: rgb(178,  
120, 228) }
```

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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