

# Converting Colors

YIQ(107.1500, 10.3070, 50.0110)

Have a look what the booklet for  
YIQ(107.1500, 10.3070, 50.0110)  
contains.

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# Color

**YIQ(107.1500, 10.3070,  
50.0110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9448B5
RGB	148, 72, 181
RGB Percent	58%, 28%, 71%
CMY	0.4194, 0.7178, 0.2902
CMYK	0.18, 0.60, 0.00, 0.29
HSL	282°, 43%, 50%
HSV	282°, 60%, 71%
XYZ	22.8789, 14.2682, 45.2583
YIQ	107.1500, 10.3070, 50.0110

# Conversions

## Conversions Part 2

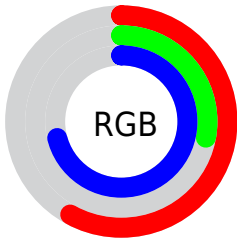
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 72, 181
Decimal	9717941
CIE <sub>Lab</sub>	44.62, 49.76, -44.75
CIE <sub>LCh</sub>	45, 66.921, 318.033
Yxy	14.2682, 0.2776, 0.1731
Android (android.graphics.Color)	4287908021 (0xFF9448B5)
YUV	107.1500, 36.4081, 35.8255
Hunter-Lab	37.7733, 42.0125, -44.5974

# Details

The YIQ color **107.1500, 10.3070, 50.0110** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **145.8500, -10.3070, -50.0110**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **161.1010, 12.0030, 52.3150**, and **51.9760, 10.8570, 51.0570** is the 20% darker color. If you saturate the color by 10%, you get **95.0890, 12.2770, 58.3650**, and if you desaturate by 10%, it is **119.5100, 8.9330, 41.8690**.

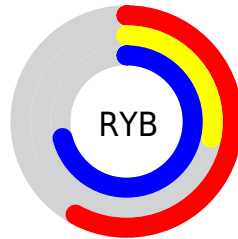
# Distribution



Red (58%)

Green (28%)

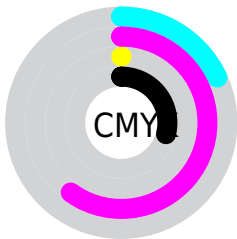
Blue (71%)



Red (58%)

Yellow (28%)

Blue (71%)

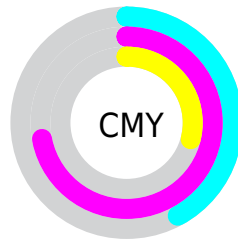


Cyan (18%)

Magenta (60%)

Yellow (0%)

Black (29%)



Cyan (42%)

Magenta (72%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 107.1500, 10.3070, 50.0110 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 107.1500, 10.3070, 50.0110 by changing the saturation by 10% instead.



■ 107.1500, 10.3070,  
50.0110

■ 107.1500, 10.3070,  
50.0110

■ 255.0000, -0.0000,  
-0.0000

■ 80.7370, 10.0320,  
49.4880

■ 161.1010, 12.0030,  
52.3150

■ 51.9760, 10.8570,  
51.0570

■ 187.6730, 16.0840,  
49.9400

■ 31.6610, 7.1900,  
45.9260

■ 210.3880, 20.9000,  
39.7480

■ 21.0370, -0.2810,  
32.6390

■ 226.8240, 13.2000,  
25.1040

■ 10.0430, -9.5860,  
19.5500

■ 243.8470, 5.2250,  
9.9370

■ 4.7080, -10.5010,  
8.5950

■ 0.2280, -0.6420,

0.6220

■ 0.0000, 0.0000,  
0.0000

■ 107.1500, 10.3070,  
50.0110

■ 107.1500, 10.3070,  
50.0110

■ 95.0890, 12.2770,  
58.3650

■ 119.5100, 8.9330,  
41.8690

■ 82.7290, 13.6510,  
66.5070

■ 131.5710, 6.9630,  
33.5150

■ 70.6680, 15.6210,  
74.8610

■ 143.6320, 4.9930,  
25.1610

■ 58.3080, 16.9950,  
83.0030

■ 155.9920, 3.6190,  
17.0190

■ 168.0530, 1.6490,  
8.6650

■ 181.0000, -0.0000,  
0.0000

■ 193.0610, -1.9700,  
-8.3540

■ 205.4210, -3.3440,  
-16.4960

■ 217.4820, -5.3140,  
-24.8500

# Harmonies

## Analogous

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



91.3430, -80.6520, 18.9320



107.1500, 10.3070, 50.0110



95.1210, 61.9770, 60.7370

# Triad

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



107.1500, 10.3070, 50.0110



99.7180, 61.4870, -18.5210



92.1560, -80.3690, -24.7610

# Complementary

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



107.1500, 10.3070, 50.0110



145.8500, -10.3070, -50.0110

# 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.



84.2560, -60.8800, -42.0640



107.1500, 10.3070, 50.0110



95.3340, 26.7370, -38.5350

# Square

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



107.1500, 10.3070, 50.0110



96.7990, 84.2690, 9.1410



74.1390, -39.2820, -59.0420



95.9810, -95.2730, -7.9530



# Rectangle

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



107.1500, 10.3070, 50.0110



89.1970, 82.0140, 55.5340



74.1390, -39.2820, -59.0420



89.4030, -73.9950, -30.1470

# Sweetspot

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



107.1500, 10.3070, 50.0110



205.8720, 4.0770, 19.7330



104.3840, -44.3390, 16.1170



99.6450, 2.9780, 12.1140



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



107.1500, 10.3070, 50.0110



120.5480, 16.0790, 77.5750



114.7370, 36.3950, 50.7870



83.1190, 1.2830, 4.2830



49.4350, 14.6590, 70.2670



8.3460, 2.3820, 11.9020



# Inverse Universe

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



108.3530, 54.3710, 33.3710



122.3450, 84.3530, 51.6890



138.2630, -36.3950, -50.7870



83.0330, 4.4010, 2.8410



50.9910, 76.4220, 46.7420



8.6860, 12.9280, 8.0000



# Previews

## White Background



This preview shows how the YIQ color 107.1500, 10.3070, 50.0110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

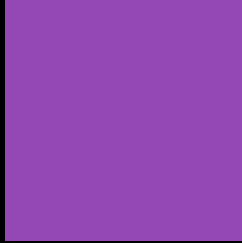
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 107.1500, 10.3070, 50.0110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

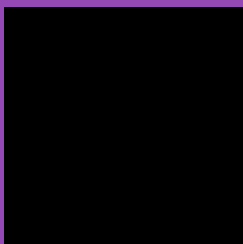
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 107.1500, 10.3070, 50.0110

## Background



This preview shows how black text looks on a background with the YIQ color 107.1500, 10.3070, 50.0110.



This preview shows how white text looks on a background with the YIQ color 107.1500, 10.3070,



# 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

107.1500, 10.3070, 50.0110

### Protanopia

93.7950, -76.1130, 19.2710

### Deuteranopia

101.1830, -48.3270, 11.2970



## Tritanopia

107.4700, 22.4640, 11.3920

# Trichromacy



## Original Color

107.1500, 10.3070, 50.0110

## Protanomaly

98.6420, -44.5250, 30.5070

## Deuteranomaly

103.1630, -27.2390, 25.6010

## Tritanomaly

107.2760, 17.7390, 25.4430

# Monochromacy



## Original Color

107.1500, 10.3070, 50.0110

## Achromatopsia

107.0000, -0.0000, 0.0000

## Achromatomaly

106.9320, 3.8480, 18.3760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 107.1500, 10.3070, 50.0110 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(148, 72, 181)` looks like.

```
.text, #text, p{  
    color:rgb(148, 72, 181)  
}
```

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(148, 72, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 72, 181) }
```

## Border

The CSS property to change the border of an element to YIQ 107.1500, 10.3070, 50.0110 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(148, 72, 181) }
```



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

```
.border{ border-color:rgb(148, 72, 181) }
```

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

Here you see how a box with a 4 pixel rgb(148, 72, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 72, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 72, 181);  
box-shadow:4px 4px 4px 4px rgb(148, 72,  
181) }
```

# Background

The CSS property to change the background color of an element to YIQ 107.1500, 10.3070, 50.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 72, 181) }
```

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

```
.background{ background-color: rgb(148, 72,  
181) }
```

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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