

# Converting Colors

YIQ(138.8420, 13.9300, 44.9220)

Have a look what the booklet for  
YIQ(138.8420, 13.9300, 44.9220)  
contains.

<b>YIQ(138.8420, 13.9300, 44.9220)</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(138.8420, 13.9300,  
44.9220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B46AC8
RGB	180, 106, 200
RGB Percent	71%, 42%, 78%
CMY	0.2939, 0.5844, 0.2157
CMYK	0.10, 0.47, 0.00, 0.22
HSL	287°, 46%, 60%
HSV	287°, 47%, 78%
XYZ	34.4120, 24.1821, 57.4947
YIQ	138.8420, 13.9300, 44.9220

# Conversions

## Conversions Part 2

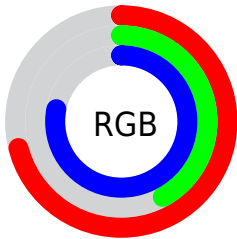
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 106, 200
Decimal	11823816
CIELab	56.27, 44.86, -37.05
CIELCh	56, 58.180, 320.444
Yxy	24.1821, 0.2964, 0.2083
Android (android.graphics.Color)	4290013896 (0xFFB46AC8)
YUV	138.8420, 30.1509, 36.0956
Hunter-Lab	49.1753, 38.8542, -34.8979

# Details

The YIQ color  $138.8420, 13.9300, 44.9220$  is a light color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $167.1580, -13.9300, -44.9220$ , and the grayscale version is  $139.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $193.2660, 15.6720, 46.3920$ , and  $86.3040, 12.5090, 43.1410$  is the 20% darker color. If you saturate the color by 10%, you get  $125.9060, 17.0460, 54.5340$ , and if you desaturate by 10%, it is  $151.7780, 10.8140, 35.3100$ .

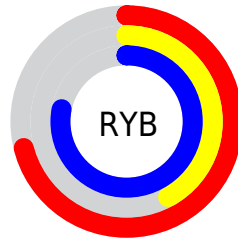
# Distribution



Red (71%)

Green (42%)

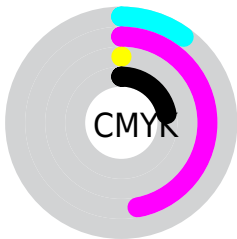
Blue (78%)



Red (71%)

Yellow (42%)

Blue (78%)

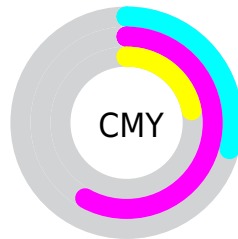


Cyan (10%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (58%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.8420, 13.9300, 44.9220 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 138.8420, 13.9300, 44.9220 by changing the saturation by 10% instead.



138.8420, 13.9300,  
44.9220

138.8420, 13.9300,  
44.9220

255.0000, -0.0000,  
-0.0000

112.0160, 13.3800,  
43.8760

193.2660, 15.6720,  
46.3920

86.3040, 12.5090,  
43.1410

215.0840, 18.7000,  
35.5640

60.3040, 12.5090,  
43.1410

231.5200, 11.0000,  
20.9200

32.5430, 13.3340,  
44.7100

248.5430, 3.0250,  
5.7530

22.3320, 6.1380,  
31.9460

12.5340, -0.7830,  
19.7050

3.4370, -8.3000,

7.2520

■ 0.0000, 0.0000,  
0.0000

■ 138.8420, 13.9300,  
44.9220

■ 138.8420, 13.9300,  
44.9220

■ 125.9060, 17.0460,  
54.5340

■ 151.7780, 10.8140,  
35.3100

■ 112.9700, 20.1620,  
64.1460

■ 165.0130, 8.2940,  
25.9100

■ 99.7350, 22.6820,  
73.5460

■ 177.9490, 5.1780,  
16.2980

■ 86.7990, 25.7980,  
83.1580

■ 190.8850, 2.0620,  
6.6860

■ 73.8630, 28.9140,  
92.7700

■ 203.8210, -1.0540,  
-2.9260

70.0420, 29.9680,  
95.6960

217.0560, -3.5740,  
-12.3260

229.9920, -6.6900,  
-21.9380

236.4710, -6.7810,  
-25.7970

237.6670, -4.3970,  
-24.9490

# Harmonies

## Analogous

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



132.4520, -47.0460, 26.6340



138.8420, 13.9300, 44.9220



134.2800, 56.6150, 47.7750

# Triad

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



138.8420, 13.9300, 44.9220



129.1970, 61.3960, -22.3800



112.5990, -97.9740, -30.5980

# Complementary

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



138.8420, 13.9300, 44.9220



167.1580, -13.9300, -44.9220

# 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.



105.9700, -80.6860, -46.5580



138.8420, 13.9300, 44.9220



124.9920, 27.7000, -39.4680

# Square

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



138.8420, 13.9300, 44.9220



131.2110, 77.1170, 6.5970



116.1720, -25.7130, -46.1370



115.1530, -110.6770, -15.1330



# Rectangle

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



138.8420, 13.9300, 44.9220



131.6220, 72.8470, 39.9430



116.1720, -25.7130, -46.1370



110.6610, -92.5170, -35.8850

# Sweetspot

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



138.8420, 13.9300, 44.9220



231.4760, 5.1320, 17.1320



128.4560, -35.6740, 18.7740



113.5910, 3.0700, 10.4460



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.



138.8420, 13.9300, 44.9220



162.0890, 21.4450, 68.4290



141.7440, 34.5170, 40.7650



93.1190, 1.2830, 4.2830



57.1530, 24.5610, 78.0410



12.4760, 5.1320, 17.1320



# Inverse Universe

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



136.3860, 49.6040, 26.1480



158.1770, 75.5980, 39.6460



164.2560, -34.5170, -40.7650



92.9190, 4.7220, 2.5300



52.7270, 85.9130, 45.4410

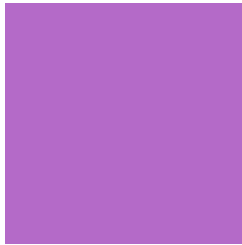


11.6760, 18.8880, 10.1200



# Previews

## White Background



This preview shows how the YIQ color 138.8420, 13.9300, 44.9220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

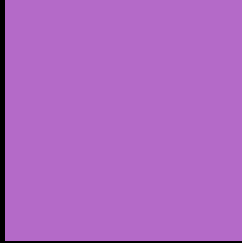
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 138.8420, 13.9300, 44.9220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

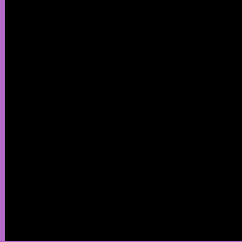
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 138.8420, 13.9300, 44.9220

## Background



This preview shows how black text looks on a background with the YIQ color 138.8420, 13.9300, 44.9220.



This preview shows how white text looks on a background with the YIQ color 138.8420, 13.9300,



# 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

138.8420, 13.9300, 44.9220

### Protanopia

132.5070, -48.8790, 21.3050

### Deuteranopia

134.3760, -32.6930, 14.3070



## Tritanopia

137.3780, 25.7190, 12.9750

# Trichromacy



## Original Color

138.8420, 13.9300, 44.9220



## Protanomaly

134.9830, -26.5520, 29.6720



## Deuteranomaly

136.2090, -15.6850, 25.4590



## Tritanomaly

137.9020, 21.7280, 24.7360

# Monochromacy



## Original Color

138.8420, 13.9300, 44.9220



## Achromatopsia

139.0000, -0.0000, 0.0000



## Achromatomaly

138.9490, 5.1780, 16.2980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.8420, 13.9300, 44.9220 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(180, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 106, 200)  
}
```

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(180, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 106, 200) }
```

## Border

The CSS property to change the border of an element to YIQ 138.8420, 13.9300, 44.9220 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(180, 106, 200) }
```



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

```
.border{ border-color:rgb(180, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 106,  
200) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.8420, 13.9300, 44.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 106, 200) }
```

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

```
.background{ background-color: rgb(180,  
106, 200) }
```

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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