

# Converting Colors

YIQ(136.8740, 10.9040, 44.6960)

Have a look what the booklet for  
YIQ(136.8740, 10.9040, 44.6960)  
contains.

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# Color

**YIQ(136.8740, 10.9040,  
44.6960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF69C9
RGB	175, 105, 201
RGB Percent	69%, 41%, 79%
CMY	0.3135, 0.5883, 0.2118
CMYK	0.13, 0.48, 0.00, 0.21
HSL	284°, 47%, 60%
HSV	284°, 48%, 79%
XYZ	33.2824, 23.4345, 58.0226
YIQ	136.8740, 10.9040, 44.6960

# Conversions

## Conversions Part 2

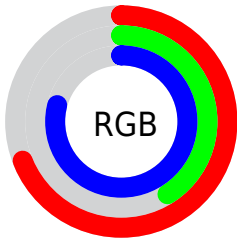
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 105, 201
Decimal	11495881
CIE <sub>Lab</sub>	55.52, 44.16, -38.84
CIE <sub>LCh</sub>	56, 58.810, 318.665
Yxy	23.4345, 0.2901, 0.2042
Android (android.graphics.Color)	4289685961 (0xFFAF69C9)
YUV	136.8740, 31.6141, 33.4365
Hunter-Lab	48.4092, 38.0067, -37.1777

# Details

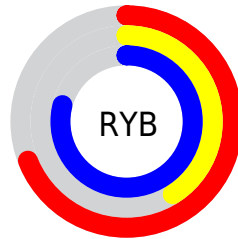
The YIQ color  $136.8740, 10.9040, 44.6960$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $169.1260, -10.9040, -44.6960$ , and the grayscale version is  $137.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $191.1840, 12.9670, 45.8550$ , and  $84.2220, 9.8040, 42.6040$  is the 20% darker color. If you saturate the color by 10%, you get  $123.6390, 13.4240, 54.0960$ , and if you desaturate by 10%, it is  $150.1090, 8.3840, 35.2960$ .

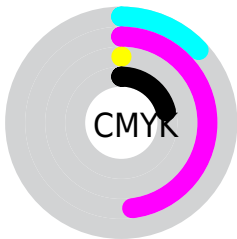
# Distribution



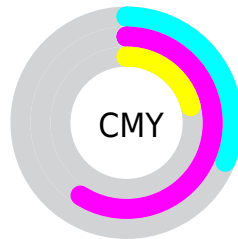
- Red (69%)
- Green (41%)
- Blue (79%)



- Red (69%)
- Yellow (41%)
- Blue (79%)



- Cyan (13%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (59%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.8740, 10.9040, 44.6960 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 136.8740, 10.9040, 44.6960 by changing the saturation by 10% instead.



136.8740, 10.9040,  
44.6960

136.8740, 10.9040,  
44.6960

255.0000, -0.0000,  
-0.0000

110.0480, 10.3540,  
43.6500

191.1840, 12.9670,  
45.8550

84.2220, 9.8040,  
42.6040

214.4970, 18.9750,  
36.0870

58.2220, 9.8040,  
42.6040

230.9330, 11.2750,  
21.4430

31.1620, 10.0330,  
43.9610

247.9560, 3.3000,  
6.2760

20.9510, 2.8370,  
31.1970

10.8540, -4.6800,  
18.7440

3.5510, -8.6210,

7.5630

0.0000, 0.0000,  
0.0000

136.8740, 10.9040,  
44.6960

136.8740, 10.9040,  
44.6960

123.6390, 13.4240,  
54.0960

150.1090, 8.3840,  
35.2960

110.1050, 15.3480,  
63.2840

163.6430, 6.4600,  
26.1080

96.8700, 17.8680,  
72.6840

176.8780, 3.9400,  
16.7080

83.3360, 19.7920,  
81.8720

190.4120, 2.0160,  
7.5200

69.5140, 22.5870,  
91.7950

203.6470, -0.5040,  
-1.8800

66.8670, 23.0910,  
93.6750

217.7680, -2.7030,  
-11.5910

231.0030, -5.2230,  
-20.9910

237.7810, -4.7180,  
-24.6380

239.5750, -1.1420,  
-23.3660

# Harmonies

## Analogous

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



129.4620, -53.0060, 24.5140



136.8740, 10.9040, 44.6960



132.4370, 54.7350, 48.8070

# Triad

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



136.8740, 10.9040, 44.6960



127.2790, 64.1010, -21.8430



110.8550, -95.8190, -31.1070

# Complementary

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



136.8740, 10.9040, 44.6960



169.1260, -10.9040, -44.6960

# 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.



104.2260, -78.5310, -47.0670



136.8740, 10.9040, 44.6960



122.7320, 31.3680, -39.8640

# Square

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



136.8740, 10.9040, 44.6960



129.4500, 77.9420, 8.1660



115.0260, -22.3660, -46.2220



114.2240, -109.4390, -15.5430



# Rectangle

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



136.8740, 10.9040, 44.6960



129.6760, 72.7550, 41.6110



115.0260, -22.3660, -46.2220



108.9170, -90.3620, -36.3940

# Sweetspot

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



136.8740, 10.9040, 44.6960



230.8780, 3.9400, 16.7080



131.7930, -38.2410, 15.7350



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.



136.8740, 10.9040, 44.6960



158.2240, 16.6310, 67.5670



142.2540, 33.1410, 43.6770



93.1190, 1.2830, 4.2830



54.1630, 18.6010, 75.9210



11.8780, 3.9400, 16.7080



# Inverse Universe

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



136.6680, 48.8700, 28.4380



157.8010, 73.9010, 42.8690



163.7460, -33.1410, -43.6770



92.9190, 4.7220, 2.5300



53.7530, 83.0240, 48.2400

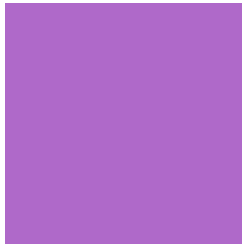


11.9040, 18.2460, 10.7420



# Previews

## White Background



This preview shows how the YIQ color 136.8740, 10.9040, 44.6960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

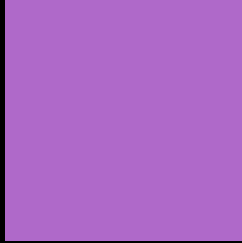
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 136.8740, 10.9040, 44.6960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

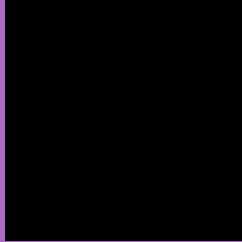
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 136.8740, 10.9040, 44.6960

## Background



This preview shows how black text looks on a background with the YIQ color 136.8740, 10.9040, 44.6960.



This preview shows how white text looks on a background with the YIQ color 136.8740, 10.9040,



# 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

136.8740, 10.9040, 44.6960

### Protanopia

130.1370, -50.7130, 21.5030

### Deuteranopia

131.8210, -35.4440, 14.6040



## Tritanopia

135.2960, 23.0140, 12.4380

# Trichromacy



**Original Color**

136.8740, 10.9040, 44.6960

**Protanomaly**

132.6130, -28.3860, 29.8700

**Deuteranomaly**

133.6540, -18.4360, 25.7560

**Tritanomaly**

135.8200, 19.0230, 24.1990

# Monochromacy



**Original Color**

136.8740, 10.9040, 44.6960

**Achromatopsia**

137.0000, -0.0000, 0.0000

**Achromatomaly**

136.7640, 4.2610, 16.3970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.8740, 10.9040, 44.6960 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(175, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(175, 105, 201)  
}
```

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(175, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 105, 201) }
```

## Border

The CSS property to change the border of an element to YIQ 136.8740, 10.9040, 44.6960 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(175, 105, 201) }
```



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

```
.border{ border-color:rgb(175, 105, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 105, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(175, 105,  
201) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.8740, 10.9040, 44.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 105, 201) }
```

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

```
.background{ background-color: rgb(175,  
105, 201) }
```

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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