

# Converting Colors

YIQ(158.0960, 36.7620, 49.6420)

Have a look what the booklet for  
YIQ(158.0960, 36.7620, 49.6420)  
contains.

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# Color

**YIQ(158.0960, 36.7620,  
49.6420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E074CA
RGB	224, 116, 202
RGB Percent	88%, 45%, 79%
CMY	0.1213, 0.5453, 0.2078
CMYK	0.00, 0.48, 0.10, 0.12
HSL	312°, 64%, 67%
HSV	312°, 48%, 88%
XYZ	47.6683, 32.6055, 59.6708
YIQ	158.0960, 36.7620, 49.6420

# Conversions

## Conversions Part 2

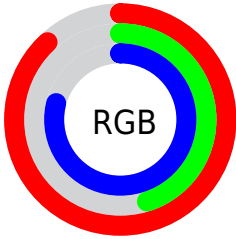
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 116, 202
Decimal	14709962
CIE Lab	63.84, 53.11, -26.01
CIE LCh	64, 59.142, 333.907
Yxy	32.6055, 0.3406, 0.2330
Android (android.graphics.Color)	4292900042 (0xFFE074CA)
YUV	158.0960, 21.6447, 57.7978
Hunter-Lab	57.1013, 49.0850, -21.9871

# Details

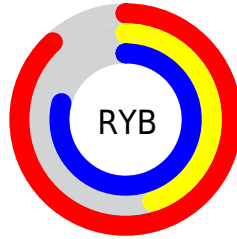
The YIQ color  $158.0960, 36.7620, 49.6420$  is a light color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $181.9040, -36.7620, -49.6420$ , and the grayscale version is  $158.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $205.6920, 23.1000, 43.9320$ , and  $102.9000, 34.3780, 48.7940$  is the 20% darker color. If you saturate the color by 10%, you get  $144.6120, 44.4170, 59.5930$ , and if you desaturate by 10%, it is  $171.5800, 29.1070, 39.6910$ .

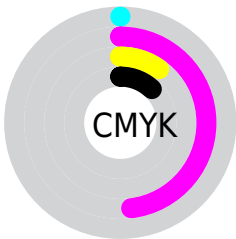
# Distribution



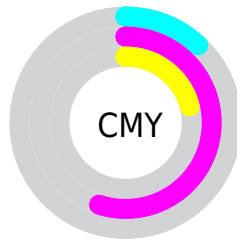
- Red (88%)
- Green (45%)
- Blue (79%)



- Red (88%)
- Yellow (45%)
- Blue (79%)



- Cyan (0%)
- Magenta (48%)
- Yellow (10%)
- Black (12%)



- Cyan (12%)
- Magenta (55%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.0960, 36.7620, 49.6420 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 158.0960, 36.7620, 49.6420 by changing the saturation by 10% instead.



158.0960, 36.7620,  
49.6420

158.0960, 36.7620,  
49.6420

255.0000, -0.0000,  
-0.0000

130.3840, 35.8910,  
48.9070

205.6920, 23.1000,  
43.9320

103.1990, 34.9740,  
49.0060

222.1280, 15.4000,  
29.2880

74.8400, 34.6070,  
50.1510

239.1510, 7.4250,  
14.1210

44.2470, 35.0190,  
53.6990

33.7370, 27.2270,  
40.7230

23.3410, 19.1140,  
28.0580

13.3580, 11.2760,

15.9160

■ 0.0000, 0.0000,  
0.0000

■ 158.0960, 36.7620,  
49.6420

■ 158.0960, 36.7620,  
49.6420

■ 144.6120, 44.4170,  
59.5930

■ 171.5800, 29.1070,  
39.6910

■ 130.6550, 52.0260,  
70.3780

■ 185.5370, 21.4980,  
28.9060

■ 117.1710, 59.6810,  
80.3290

■ 199.0210, 13.8430,  
18.9550

■ 103.2140, 67.2900,  
91.1140

■ 212.9780, 6.2340,  
8.1700

■ 89.7300, 74.9450,  
101.0650

■ 226.4620, -1.4210,  
-1.7810

87.2680, 76.3660,  
102.8460

239.8320, -8.7550,  
-12.0430

243.3370,  
-11.7350, -13.1030

243.9070,  
-13.3400, -11.5480

244.3630,  
-14.6240, -10.3040

# Harmonies

## Analogous

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



158.0430, -17.6130, 38.3790



158.0960, 36.7620, 49.6420



153.1860, 71.3790, 44.5230

# Triad

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



158.0960, 36.7620, 49.6420



147.4680, 50.0270, -31.1010



129.2410, -117.2770, -27.6850

# Complementary

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



158.0960, 36.7620, 49.6420



181.9040, -36.7620, -49.6420

# 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.



123.9000, -100.8600, -44.3800



158.0960, 36.7620, 49.6420



142.0480, 6.9310, -43.0290

# Square

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



158.0960, 36.7620, 49.6420



151.3380, 74.7810, -6.1390



124.3550, -66.0130, -53.6690



129.3500, -127.2290, -12.5170



# Rectangle

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



158.0960, 36.7620, 49.6420



152.4300, 81.8350, 31.2350



124.3550, -66.0130, -53.6690



128.0040, -112.4160, -33.1840

# Sweetspot

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



158.0960, 36.7620, 49.6420



233.0700, 12.1470, 16.6510



134.8900, -21.5560, 38.2520



114.5160, 7.6550, 9.9510



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.



158.0960, 36.7620, 49.6420



164.7040, 50.3300, 68.0740



151.9400, 54.0960, 32.8480



105.3150, 3.6670, 5.1310



68.5840, 59.9560, 80.8520



18.7980, 16.0890, 22.3050



# Inverse Universe

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



158.0960, 36.7620, 49.6420



164.7040, 50.3300, 68.0740



188.0600, -54.0960, -32.8480



105.3150, 3.6670, 5.1310



68.5840, 59.9560, 80.8520

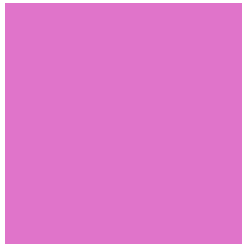


18.7980, 16.0890, 22.3050



# Previews

## White Background



This preview shows how the YIQ color 158.0960, 36.7620, 49.6420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

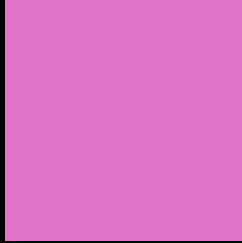
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 158.0960, 36.7620, 49.6420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

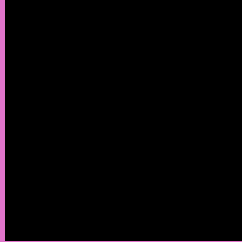
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 158.0960, 36.7620, 49.6420

## Background



This preview shows how black text looks on a background with the YIQ color 158.0960, 36.7620, 49.6420.



This preview shows how white text looks on a background with the YIQ color 158.0960, 36.7620,



# 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

158.0960, 36.7620, 49.6420

### Protanopia

154.6020, -39.0210, 18.8590

### Deuteranopia

156.1190, -15.9120, 13.0480



## Tritanopia

157.0390, 48.9630, 21.2430

# Trichromacy



**Original Color**

158.0960, 36.7620, 49.6420

**Protanomaly**

156.2960, -11.3760, 29.9680

**Deuteranomaly**

156.7890, 3.1130, 26.1930

**Tritanomaly**

157.6230, 44.7430, 31.6470

# Monochromacy



**Original Color**

158.0960, 36.7620, 49.6420

**Achromatopsia**

158.0000, -0.0000, 0.0000

**Achromatomaly**

158.1950, 13.2930, 17.9090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.0960, 36.7620, 49.6420 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(224, 116, 202)` looks like.

```
.text, #text, p{  
    color:rgb(224, 116, 202)  
}
```

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(224, 116, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 116, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 158.0960, 36.7620, 49.6420 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(224, 116, 202) }
```



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

```
.border{ border-color:rgb(224, 116, 202) }
```

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

Here you see how a box with a 4 pixel rgb(224, 116, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 116, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 116, 202);  
box-shadow:4px 4px 4px 4px rgb(224, 116,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.0960, 36.7620, 49.6420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 116, 202) }
```

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

```
.background{ background-color: rgb(224,  
116, 202) }
```

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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