

# Converting Colors

YIQ(120.4940, 24.1980, 57.0780)

Have a look what the booklet for  
YIQ(120.4940, 24.1980, 57.0780)  
contains.

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# Color

**YIQ(120.4940, 24.1980,  
57.0780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B34DBF
RGB	179, 77, 191
RGB Percent	70%, 30%, 75%
CMY	0.2977, 0.6982, 0.2510
CMYK	0.06, 0.60, 0.00, 0.25
HSL	294°, 47%, 53%
HSV	294°, 60%, 75%
XYZ	30.6640, 18.6567, 51.2763
YIQ	120.4940, 24.1980, 57.0780

# Conversions

## Conversions Part 2

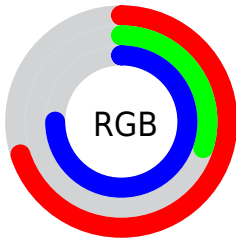
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 77, 191
Decimal	11750847
CIE <sub>Lab</sub>	50.28, 57.22, -41.32
CIE <sub>LCh</sub>	50, 70.582, 324.167
Yxy	18.6567, 0.3048, 0.1855
Android (android.graphics.Color)	4289940927 (0xFFB34DBF)
YUV	120.4940, 34.7595, 51.3098
Hunter-Lab	43.1934, 51.1327, -40.1497

# Details

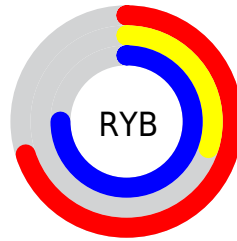
The YIQ color  $120.4940, 24.1980, 57.0780$  is a dark color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $147.5060, -24.1980, -57.0780$ , and the grayscale version is  $120.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.0320, 25.6190, 58.8590$ , and  $61.2000, 25.2060, 60.8380$  is the 20% darker color. If you saturate the color by 10%, you get  $108.7430, 28.2310, 66.5910$ , and if you desaturate by 10%, it is  $132.2450, 20.1650, 47.5650$ .

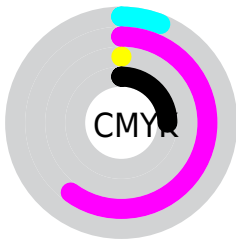
# Distribution



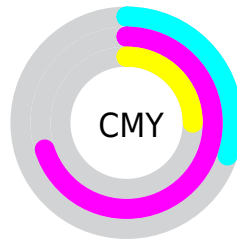
- Red (70%)
- Green (30%)
- Blue (75%)



- Red (70%)
- Yellow (30%)
- Blue (75%)



- Cyan (6%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)



- Cyan (30%)
- Magenta (70%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.4940, 24.1980, 57.0780 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 120.4940, 24.1980, 57.0780 by changing the saturation by 10% instead.



120.4940, 24.1980,  
57.0780

120.4940, 24.1980,  
57.0780

255.0000, -0.0000,  
-0.0000

92.6080, 23.8770,  
57.3890

176.0320, 25.6190,  
58.8590

60.6130, 25.4810,  
61.3610

198.6480, 26.4000,  
50.2080

41.3580, 21.5850,  
54.8730

215.0840, 18.7000,  
35.5640

30.4350, 13.5180,  
41.3740

232.1070, 10.7250,  
20.3970

20.8220, 7.5140,  
29.0340

249.1300, 2.7500,  
5.2300

6.8380, -7.7510,  
13.8250

2.5250, -5.7320,

4.7640

■ 0.0000, 0.0000,  
0.0000

■ 120.4940, 24.1980,  
57.0780

■ 120.4940, 24.1980,  
57.0780

■ 108.7430, 28.2310,  
66.5910

■ 132.2450, 20.1650,  
47.5650

■ 96.9920, 32.2640,  
76.1040

■ 143.9960, 16.1320,  
38.0520

■ 85.2410, 36.2970,  
85.6170

■ 155.7470, 12.0990,  
28.5390

■ 73.4900, 40.3300,  
95.1300

■ 167.4980, 8.0660,  
19.0260

■ 72.9030, 40.6050,  
95.6530

■ 179.2490, 4.0330,  
9.5130

■ 191.5870, -0.2750,  
-0.5230

■ 203.3380, -4.3080,  
-10.0360

■ 215.0890, -8.3410,  
-19.5490

■ 226.8400,  
-12.3740, -29.0620

# Harmonies

## Analogous

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



116.0310, -52.8700, 33.0660



120.4940, 24.1980, 57.0780



108.0470, 73.9890, 63.3090

# Triad

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



120.4940, 24.1980, 57.0780



112.6760, 61.3050, -26.2390



104.7400, -93.7570, -24.4210

# Complementary

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



120.4940, 24.1980, 57.0780



147.5060, -24.1980, -57.0780

# 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.



97.1990, -73.9010, -42.8690



120.4940, 24.1980, 57.0780



106.1990, 22.3830, -47.7370

# Square

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



120.4940, 24.1980, 57.0780



110.9380, 90.8270, 0.4190



86.9680, -51.9820, -60.1580



108.0920, -108.7070, -6.7790



# Rectangle

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



120.4940, 24.1980, 57.0780



105.2810, 90.4050, 52.1410



86.9680, -51.9820, -60.1580



102.4600, -87.3370, -30.6410

# Sweetspot

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



120.4940, 24.1980, 57.0780



219.9760, 9.7160, 22.1640



97.6270, -40.1690, 28.6550



107.6670, 5.9120, 14.0080



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



120.4940, 24.1980, 57.0780



137.1320, 38.2220, 89.2780



119.0660, 45.4740, 45.9380



88.4180, 1.8790, 4.4950



60.4700, 33.9140, 79.2420



11.6070, 6.1410, 15.3650



# Inverse Universe

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



112.4540, 64.0920, 27.9000



124.3880, 99.9890, 43.6450



148.9340, -45.4740, -45.9380



87.8050, 5.0430, 2.2190



49.1800, 88.7110, 38.7830



9.6110, 17.5130, 7.5050



# Previews

## White Background



This preview shows how the YIQ color 120.4940, 24.1980, 57.0780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

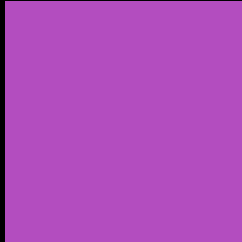
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.4940, 24.1980, 57.0780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

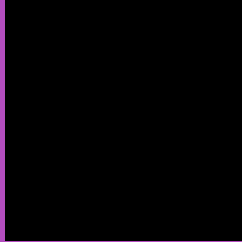
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.4940, 24.1980, 57.0780

## Background



This preview shows how black text looks on a background with the YIQ color 120.4940, 24.1980, 57.0780.



This preview shows how white text looks on a background with the YIQ color 120.4940, 24.1980,



# 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

120.4940, 24.1980, 57.0780

### Protanopia

111.4260, -70.5200, 22.5360

### Deuteranopia

117.9130, -38.6990, 13.0210



## Tritanopia

121.2440, 37.9600, 16.9040

# Trichromacy



## Original Color

120.4940, 24.1980, 57.0780



## Protanomaly

114.8820, -36.2730, 35.1430



## Deuteranomaly

118.7300, -15.5940, 29.3180



## Tritanomaly

121.1640, 32.9140, 31.2660

# Monochromacy



## Original Color

120.4940, 24.1980, 57.0780



## Achromatopsia

120.0000, -0.0000, -0.0000



## Achromatomaly

119.8510, 8.5700, 20.9060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.4940, 24.1980, 57.0780 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(179, 77, 191)` looks like.

```
.text, #text, p{  
    color:rgb(179, 77, 191)  
}
```

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(179, 77, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 77, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 120.4940, 24.1980, 57.0780 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(179, 77, 191) }
```



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

```
.border{ border-color:rgb(179, 77, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 77, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 77, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 77, 191);  
box-shadow:4px 4px 4px 4px rgb(179, 77,  
191) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.4940, 24.1980, 57.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 77, 191) }
```

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

```
.background{ background-color: rgb(179, 77,  
191) }
```

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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