

# Converting Colors

YIQ(191.8540, 13.6560, 38.8720)

Have a look what the booklet for  
YIQ(191.8540, 13.6560, 38.8720)  
contains.

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# **Color**

**YIQ(191.8540, 13.6560,  
38.8720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5A3F3
RGB	229, 163, 243
RGB Percent	90%, 64%, 95%
CMY	0.1017, 0.3609, 0.0471
CMYK	0.06, 0.33, 0.00, 0.05
HSL	290°, 77%, 80%
HSV	290°, 33%, 95%
XYZ	61.5996, 49.3222, 91.0659
YIQ	191.8540, 13.6560, 38.8720

# Conversions

## Conversions Part 2

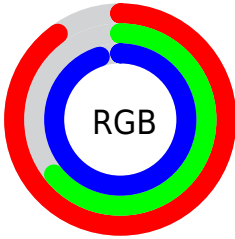
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 163, 243
Decimal	15049715
CIE Lab	75.65, 37.65, -30.42
CIE LCh	76, 48.399, 321.065
Yxy	49.3222, 0.3050, 0.2442
Android (android.graphics.Color)	4293239795 (0xFFE5A3F3)
YUV	191.8540, 25.2150, 32.5770
Hunter-Lab	70.2298, 33.6629, -27.7196

# Details

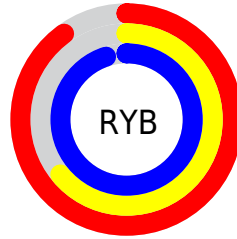
The YIQ color **191.8540, 13.6560, 38.8720** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **214.1460, -13.6560, -38.8720**, and the grayscale version is **192.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **233.8680, 9.9000, 18.8280**, and **137.3160, 12.2350, 37.0910** is the 20% darker color. If you saturate the color by 10%, you get **176.5700, 17.8720, 50.5760**, and if you desaturate by 10%, it is **207.1380, 9.4400, 27.1680**.

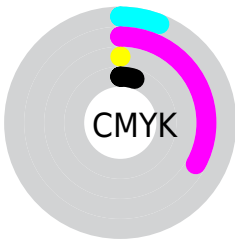
# Distribution



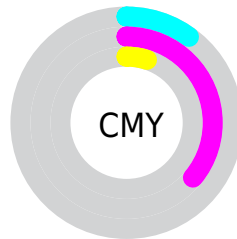
- Red (90%)
- Green (64%)
- Blue (95%)



- Red (90%)
- Yellow (64%)
- Blue (95%)



- Cyan (6%)
- Magenta (33%)
- Yellow (0%)
- Black (5%)



- Cyan (10%)
- Magenta (36%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 191.8540, 13.6560, 38.8720 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 191.8540, 13.6560, 38.8720 by changing the saturation by 10% instead.



191.8540, 13.6560,  
38.8720

191.8540, 13.6560,  
38.8720

255.0000, -0.0000,  
-0.0000

164.0280, 13.1060,  
37.8260

233.8680, 9.9000,  
18.8280

137.3160, 12.2350,  
37.0910

250.3040, 2.2000,  
4.1840

111.3760, 12.0060,  
35.7340

85.9630, 11.7310,  
35.2110

61.2510, 10.8600,  
34.4760

35.0770, 11.4100,  
35.5220

19.5830, 6.6890,

27.4650

■ 9.6000, -1.1490,  
15.3230

■ 2.0690, -4.4480,  
3.5200

■ 191.8540, 13.6560,  
38.8720

■ 191.8540, 13.6560,  
38.8720

■ 176.5700, 17.8720,  
50.5760

■ 207.1380, 9.4400,  
27.1680

■ 160.6990, 22.3630,  
62.8030

■ 223.3080, 5.5450,  
15.1530

■ 145.1160, 25.9830,  
74.2950

■ 238.5920, 1.3290,  
3.4490

■ 129.8320, 30.1990,  
85.9990

■ 250.9410, -1.5120,  
-5.6400

■ 113.9610, 34.6900,  
98.2260

■ 252.1370, 0.8720,  
-4.7920

■ 98.6770, 38.9060,  
109.9300

■ 253.3330, 3.2560,  
-3.9440

■ 87.8010, 41.7930,  
118.1850

■ 253.6320, 3.8520,  
-3.7320

# Harmonies

## Analogous

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



185.5600, -30.0350, 21.2050



191.8540, 13.6560, 38.8720



187.9100, 45.6130, 37.9090

# Triad

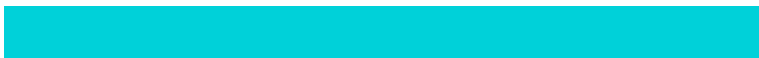
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



191.8540, 13.6560, 38.8720



183.7050, 54.3340, -15.5380



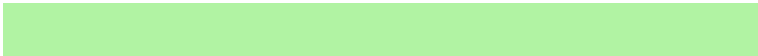
147.4210, -127.1320, -41.8200

# Complementary

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



191.8540, 13.6560, 38.8720



214.1460, -13.6560, -38.8720

# 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.



159.5190, -77.7980, -43.8300



191.8540, 13.6560, 38.8720



180.1090, 23.2970, -31.2550

# Square

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



191.8540, 13.6560, 38.8720



185.4920, 68.9560, 5.8200



173.5090, -19.1120, -39.1120



149.4050, -138.2300, -27.9100



# Rectangle

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



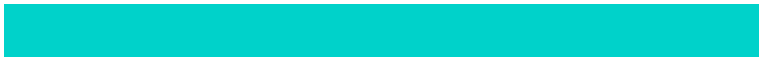
191.8540, 13.6560, 38.8720



183.7890, 55.8390, 28.7910



173.5090, -19.1120, -39.1120



146.2980, -122.5920, -47.0080

# Sweetspot

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



191.8540, 13.6560, 38.8720



239.1290, 4.4910, 12.2270



180.9250, -29.8050, 17.0350



117.7110, 2.6120, 7.7320



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.



191.8540, 13.6560, 38.8720



189.7440, 17.3220, 49.5300



193.1900, 30.0250, 34.0650



114.3580, 2.1080, 5.8520



67.2500, 32.0780, 90.4940



21.0780, 9.6690, 28.5250



# Inverse Universe

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



188.5160, 43.1860, 21.3140



185.5500, 55.0140, 27.2220



212.8100, -30.0250, -34.0650



113.8160, 6.5100, 3.1660



59.2620, 100.5840, 49.3840



18.7810, 31.9540, 15.6180



# Previews

## White Background



This preview shows how the YIQ color 191.8540, 13.6560, 38.8720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

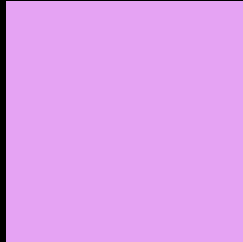
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 191.8540, 13.6560, 38.8720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

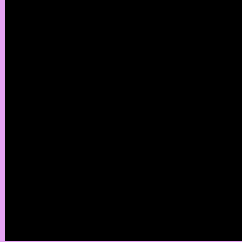
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 191.8540, 13.6560, 38.8720

## Background



This preview shows how black text looks on a background with the YIQ color 191.8540, 13.6560, 38.8720.



This preview shows how white text looks on a background with the YIQ color 191.8540, 13.6560,



# 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

191.8540, 13.6560, 38.8720

### Protanopia

186.7120, -33.5190, 18.2650

### Deuteranopia

187.5900, -21.5520, 16.1440



## Tritanopia

189.6490, 23.5180, 14.3180

# Trichromacy



## Original Color

191.8540, 13.6560, 38.8720

## Protanomaly

188.4370, -16.3270, 26.0810

## Deuteranomaly

189.2760, -8.6240, 24.1440

## Tritanomaly

190.4780, 19.9860, 23.2660

# Monochromacy



## Original Color

191.8540, 13.6560, 38.8720

## Achromatopsia

192.0000, -0.0000, 0.0000

## Achromatomaly

191.5960, 4.6740, 14.4180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 191.8540, 13.6560, 38.8720 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(229, 163, 243)` looks like.

```
.text, #text, p{  
    color:rgb(229, 163, 243)  
}
```

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(229, 163, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 163, 243) }
```

## Border

The CSS property to change the border of an element to YIQ 191.8540, 13.6560, 38.8720 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(229, 163, 243) }
```



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

```
.border{ border-color:rgb(229, 163, 243) }
```

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

Here you see how a box with a 4 pixel rgb(229, 163, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 163, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 163, 243);  
box-shadow:4px 4px 4px 4px rgb(229, 163,  
243) }
```

# Background

The CSS property to change the background color of an element to YIQ 191.8540, 13.6560, 38.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 163, 243) }
```

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

```
.background{ background-color: rgb(229,  
163, 243) }
```

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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