

# Converting Colors

YIQ(113.1590, 16.3970, 93.8450)

Have a look what the booklet for  
YIQ(113.1590, 16.3970, 93.8450)  
contains.

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# Color

**YIQ(113.1590, 16.3970,  
93.8450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB30FF
RGB	187, 48, 255
RGB Percent	73%, 19%, 100%
CMY	0.2662, 0.8120, 0.0001
CMYK	0.27, 0.81, 0.00, 0.00
HSL	280°, 100%, 59%
HSV	280°, 81%, 100%
XYZ	39.6229, 19.9072, 96.3414
YIQ	113.1590, 16.3970, 93.8450

# Conversions

## Conversions Part 2

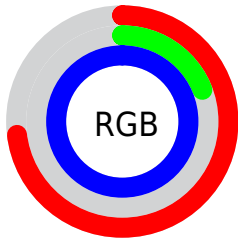
Format	Color
R <sub>Y</sub> B	187, 48, 255
Decimal	12267775
CIE Lab	51.73, 81.56, -75.23
CIE LCh	52, 110.958, 317.315
Yxy	19.9072, 0.2542, 0.1277
Android (android.graphics.Color)	4290457855 (0xFFBB30FF)
YUV	113.1590, 69.9276, 64.7586
Hunter-Lab	44.6175, 80.4376, -96.7911

# Details

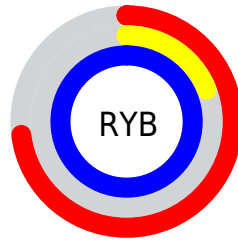
The YIQ color **113.1590, 16.3970, 93.8450** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **189.8410, -16.3970, -93.8450**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.9660, 35.1530, 73.3050**, and **60.4310, 12.4550, 88.1910** is the 20% darker color. If you saturate the color by 10%, you get **95.5050, 18.7790, 105.7470**, and if you desaturate by 10%, it is **130.2260, 14.2900, 82.4660**.

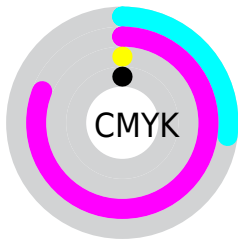
# Distribution



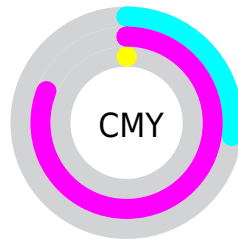
- Red (73%)
- Green (19%)
- Blue (100%)



- Red (73%)
- Yellow (19%)
- Blue (100%)



- Cyan (27%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (81%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 113.1590, 16.3970, 93.8450 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 113.1590, 16.3970, 93.8450 by changing the saturation by 10% instead.



113.1590, 16.3970,  
93.8450

113.1590, 16.3970,  
93.8450

255.0000, -0.0000,  
-0.0000

72.7070, 21.0260,  
103.5700

168.9660, 35.1530,  
73.3050

60.4310, 12.4550,  
88.1910

188.0820, 31.3500,  
59.6220

48.2690, 3.5630,  
73.1230

205.1050, 23.3750,  
44.4550

35.6230, -6.8420,  
57.9420

222.7150, 15.1250,  
28.7650

22.3790, -18.4390,  
42.3370

240.3250, 6.8750,  
13.0750

10.1460, -28.5690,  
27.6790

10.3450, -22.2400,

17.6000

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 113.1590, 16.3970,  
93.8450

■ 113.1590, 16.3970,  
93.8450

■ 95.5050, 18.7790,  
105.7470

■ 130.2260, 14.2900,  
82.4660

■ 80.1990, 20.0610,  
115.5570

■ 148.1790, 12.5040,  
70.7760

■ 165.2460, 10.3970,  
59.3970

■ 183.1990, 8.6110,  
47.7070

200.2660, 6.5040,  
36.3280

217.9200, 4.1220,  
24.4260

235.2860, 2.6110,  
13.2590

252.9400, 0.2290,  
1.3570

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



98.9230, -114.5800, 17.0680



113.1590, 16.3970, 93.8450



95.3970, 98.0520, 106.3080

# Triad

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



113.1590, 16.3970, 93.8450



116.3520, 80.1930, -16.1190



113.6250, -100.8630, -27.7990

# Complementary

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



113.1590, 16.3970, 93.8450



189.8410, -16.3970, -93.8450

# 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.



100.4640, -67.9380, -57.3300



113.1590, 16.3970, 93.8450



109.1340, 21.0080, -50.3520

# Square

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



113.1590, 16.3970, 93.8450



87.3430, 139.4200, 39.3880



88.0500, -41.2500, -78.4500



121.8160, -125.3050, -3.3290



# Rectangle

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



113.1590, 16.3970, 93.8450



88.2150, 118.2750, 86.7150



88.0500, -41.2500, -78.4500



109.2760, -89.9950, -37.5390

# Sweetspot

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



113.1590, 16.3970, 93.8450



213.2130, 4.8550, 27.6630



112.1010, -85.4220, 28.2900



102.3940, 2.4270, 16.5950



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.



113.1590, 16.3970, 93.8450



85.7920, 19.6490, 112.0090



129.5010, 68.1600, 97.3760



118.8740, 0.5950, 5.7390



60.3450, 15.5730, 86.7490



20.1530, 5.0840, 29.0200



# Inverse Universe

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



117.6450, 101.5440, 65.0320



91.0870, 121.2110, 77.5550



173.3850, -67.8390, -97.6870



119.3430, 6.4640, 4.0000



64.2910, 93.6130, 60.0850



21.5300, 31.4030, 20.0990



# Previews

## White Background



This preview shows how the YIQ color 113.1590, 16.3970, 93.8450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

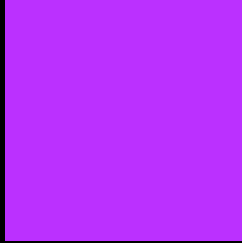
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 113.1590, 16.3970, 93.8450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

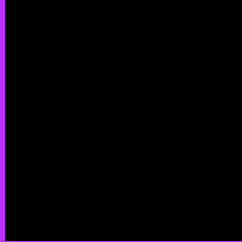
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 113.1590, 16.3970, 93.8450

## Background



This preview shows how black text looks on a background with the YIQ color 113.1590, 16.3970, 93.8450.



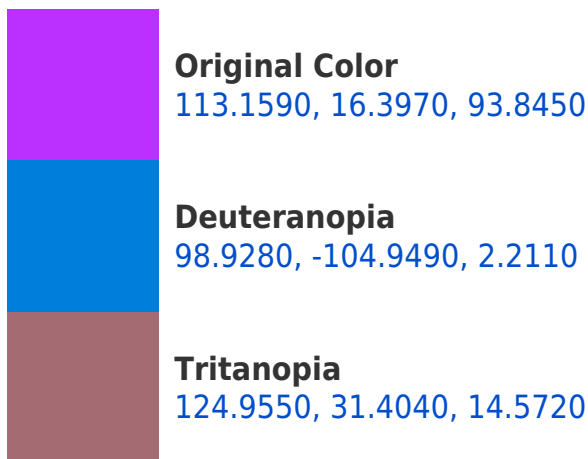
This preview shows how white text looks on a background with the YIQ color 113.1590, 16.3970,

93.8450.

# 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



# Trichromacy



## Original Color

113.1590, 16.3970, 93.8450



## Deuteranomaly

104.3060, -60.8940, 35.3140



## Tritanomaly

120.8340, 25.5760, 43.1120

# Monochromacy



## Original Color

113.1590, 16.3970, 93.8450



## Achromatopsia

113.0000, -0.0000, 0.0000



## Achromatomaly

112.9130, 6.0000, 34.4480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 113.1590, 16.3970, 93.8450 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(187, 48, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 48, 255)  
}
```

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(187, 48, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 48, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 113.1590, 16.3970, 93.8450 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(187, 48, 255) }
```

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

```
.border{ border-color:rgb(187, 48, 255) }
```

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

Here you see how a box with a 4 pixel rgb(187, 48, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 48, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 48, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 48,  
255) }
```



# Background

The CSS property to change the background color of an element to YIQ 113.1590, 16.3970, 93.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 48, 255) }
```

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

```
.background{ background-color: rgb(187, 48,  
255) }
```

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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