

# Converting Colors

YIQ(93.4200, 17.8740, 39.5220)

Have a look what the booklet for  
YIQ(93.4200, 17.8740, 39.5220)  
contains.

<b>YIQ(93.4200, 17.8740, 39.5220)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(93.4200, 17.8740,  
39.5220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	873F8D
RGB	135, 63, 141
RGB Percent	53%, 25%, 55%
CMY	0.4704, 0.7530, 0.4470
CMYK	0.04, 0.55, 0.00, 0.45
HSL	295°, 38%, 40%
HSV	295°, 55%, 55%
XYZ	16.5845, 10.6304, 26.3781
YIQ	93.4200, 17.8740, 39.5220

# Conversions

## Conversions Part 2

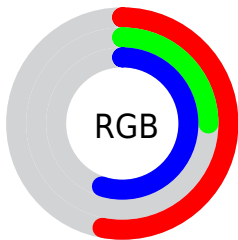
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 63, 141
Decimal	8863629
CIE Lab	38.95, 42.54, -29.94
CIE LCh	39, 52.018, 324.867
Yxy	10.6304, 0.3095, 0.1984
Android (android.graphics.Color)	4287053709 (0xFF873F8D)
YUV	93.4200, 23.4569, 36.4657
Hunter-Lab	32.6043, 33.7381, -25.1449

# Details

The YIQ color **93.4200, 17.8740, 39.5220** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **110.5800, -17.8740, -39.5220**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.9580, 19.2950, 41.3030**, and **39.7730, 18.3780, 41.4020** is the 20% darker color. If you saturate the color by 10%, you get **84.9030, 21.1280, 46.6320**, and if you desaturate by 10%, it is **101.9370, 14.6200, 32.4120**.

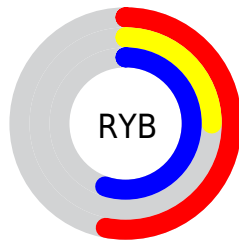
# Distribution



Red (53%)

Green (25%)

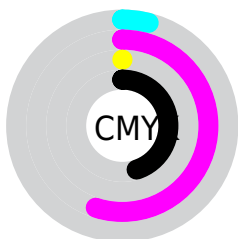
Blue (55%)



Red (53%)

Yellow (25%)

Blue (55%)

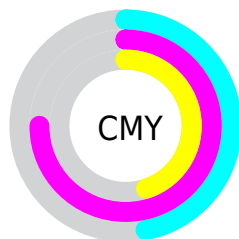


Cyan (4%)

Magenta (55%)

Yellow (0%)

Black (45%)



Cyan (47%)

Magenta (75%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.4200, 17.8740, 39.5220 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 93.4200, 17.8740, 39.5220 by changing the saturation by 10% instead.



93.4200, 17.8740,  
39.5220

93.4200, 17.8740,  
39.5220

255.0000, -0.0000,  
-0.0000

68.0070, 17.5990,  
38.9990

145.9580, 19.2950,  
41.3030

39.7730, 18.3780,  
41.4020

173.6700, 20.1660,  
42.0380

24.8660, 13.3820,  
32.8220

201.4960, 20.7160,  
43.0840

16.0790, 7.9280,  
21.5280

220.3670, 16.2250,  
30.8570

3.0950, -7.3370,  
6.3190

236.8030, 8.5250,  
16.2130

0.0000, 0.0000,  
0.0000

253.8260, 0.5500,

1.0460

■ 93.4200, 17.8740,  
39.5220

■ 93.4200, 17.8740,  
39.5220

■ 84.9030, 21.1280,  
46.6320

■ 101.9370, 14.6200,  
32.4120

■ 76.3860, 24.3820,  
53.7420

■ 110.4540, 11.3660,  
25.3020

■ 67.8690, 27.6360,  
60.8520

■ 118.9710, 8.1120,  
18.1920

■ 59.3520, 30.8900,  
67.9620

■ 127.4880, 4.8580,  
11.0820

■ 54.9440, 32.2190,  
71.4110

■ 136.0050, 1.6040,  
3.9720

■ 145.4080, -1.3290,  
-3.4490

■ 153.9250, -4.5830,  
-10.5590

■ 162.4420, -7.8370,  
-17.6690

■ 170.9590,  
-11.0910, -24.7790

# Harmonies

## Analogous

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



90.7000, -33.2450, 24.3150



93.4200, 17.8740, 39.5220



86.9540, 51.4810, 41.6970

# Triad

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



93.4200, 17.8740, 39.5220



86.0520, 45.8070, -20.6970



79.5210, -70.9710, -18.8670

# Complementary

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



93.4200, 17.8740, 39.5220



110.5800, -17.8740, -39.5220

# 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.



74.0320, -56.8930, -31.7170



93.4200, 17.8740, 39.5220



81.7230, 18.3920, -35.9760

# Square

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



93.4200, 17.8740, 39.5220



87.0350, 62.8130, 1.5090



67.2550, -41.9440, -43.8320



81.7500, -81.3810, -6.4130



# Rectangle

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



93.4200, 17.8740, 39.5220



85.5450, 62.5780, 33.3140



67.2550, -41.9440, -43.8320



77.9250, -66.4770, -23.2210

# Sweetspot

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



93.4200, 17.8740, 39.5220



164.3190, 7.0120, 16.1000



75.4140, -26.6880, 21.1200



80.2490, 4.0330, 9.5130



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



93.4200, 17.8740, 39.5220



109.3960, 27.5900, 61.6860



91.4520, 32.0430, 30.5310



66.8910, 1.9250, 3.6610



52.7650, 31.1650, 68.4850



3.0050, 1.6040, 3.9720



# Inverse Universe

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



87.0060, 44.5620, 18.4020



99.6180, 69.5020, 28.9740



112.4340, -31.7220, -30.8420



66.2070, 3.8510, 1.7950



41.5050, 77.2500, 31.7300



2.5060, 4.4470, 2.0070



# Previews

## White Background



This preview shows how the YIQ color 93.4200, 17.8740, 39.5220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

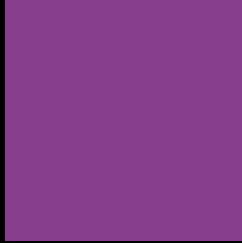
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 93.4200, 17.8740, 39.5220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

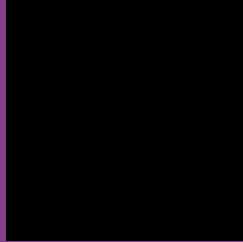
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 93.4200, 17.8740, 39.5220

## Background



This preview shows how black text looks on a background with the YIQ color 93.4200, 17.8740, 39.5220.



This preview shows how white text looks on a background with the YIQ color 93.4200, 17.8740,



# 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

93.4200, 17.8740, 39.5220

### Protanopia

88.3840, -44.3390, 16.1170

### Deuteranopia

91.6340, -24.8520, 9.8680



## Tritanopia

93.6340, 27.8740, 12.4660

# Trichromacy



## Original Color

93.4200, 17.8740, 39.5220

## Protanomaly

90.1590, -21.4160, 24.6960

## Deuteranomaly

91.9830, -9.3570, 20.9070

## Tritanomaly

93.9900, 24.2960, 22.2480

# Monochromacy



## Original Color

93.4200, 17.8740, 39.5220

## Achromatopsia

93.0000, -0.0000, -0.0000

## Achromatomaly

92.9660, 6.5080, 14.2200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.4200, 17.8740, 39.5220 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(135, 63, 141)` looks like.

```
.text, #text, p{  
    color:rgb(135, 63, 141)  
}
```

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(135, 63, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 63, 141) }
```

## Border

The CSS property to change the border of an element to YIQ 93.4200, 17.8740, 39.5220 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".

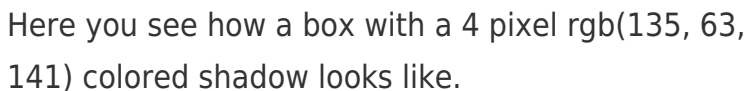
```
.border, #border, table{ border:4px solid rgb(135, 63, 141) }
```



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

```
.border{ border-color:rgb(135, 63, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 63, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 63, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 63, 141); box-shadow:4px 4px 4px 4px rgb(135, 63, 141) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.4200, 17.8740, 39.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 63, 141) }
```

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

```
.background{ background-color: rgb(135, 63,  
141) }
```

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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