

# Converting Colors

YIQ(97.5580, 8.9780, 46.5620)

Have a look what the booklet for  
YIQ(97.5580, 8.9780, 46.5620)  
contains.

<b>YIQ(97.5580, 8.9780, 46.5620)</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(97.5580, 8.9780,  
46.5620)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8741A7
RGB	135, 65, 167
RGB Percent	53%, 25%, 65%
CMY	0.4704, 0.7452, 0.3451
CMYK	0.19, 0.61, 0.00, 0.35
HSL	281°, 44%, 45%
HSV	281°, 61%, 65%
XYZ	18.8638, 11.7226, 37.8223
YIQ	97.5580, 8.9780, 46.5620

# Conversions

## Conversions Part 2

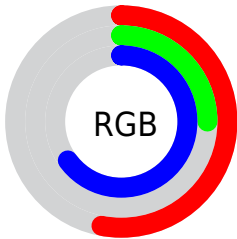
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 65, 167
Decimal	8864167
CIE <sub>Lab</sub>	40.77, 46.95, -42.71
CIE <sub>LCh</sub>	41, 63.467, 317.706
Yxy	11.7226, 0.2758, 0.1714
Android (android.graphics.Color)	4287054247 (0xFF8741A7)
<b>YUV</b>	97.5580, 34.2349, 32.8366
Hunter-Lab	34.2383, 38.4284, -41.5295

# Details

The YIQ color **97.5580, 8.9780, 46.5620** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **134.4420, -8.9780, -46.5620**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **151.2100, 10.0780, 48.6540**, and **42.7970, 9.8030, 48.1310** is the 20% darker color. If you saturate the color by 10%, you get **86.0840, 10.6730, 54.3930**, and if you desaturate by 10%, it is **109.0320, 7.2830, 38.7310**.

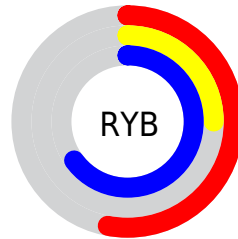
# Distribution



Red (53%)

Green (25%)

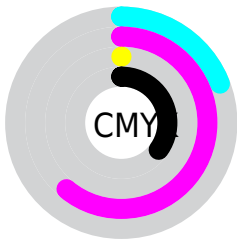
Blue (65%)



Red (53%)

Yellow (25%)

Blue (65%)

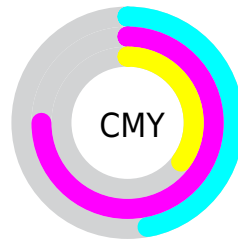


Cyan (19%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (47%)

Magenta (75%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.5580, 8.9780, 46.5620 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 97.5580, 8.9780, 46.5620 by changing the saturation by 10% instead.



97.5580, 8.9780,  
46.5620

97.5580, 8.9780,  
46.5620

255.0000, -0.0000,  
-0.0000

71.1450, 8.7030,  
46.0390

151.2100, 10.0780,  
48.6540

42.7970, 9.8030,  
48.1310

178.4490, 10.9030,  
50.2230

26.8900, 4.8070,  
39.5510

203.8980, 19.5240,  
42.6600

17.2770, -1.1970,  
27.2110

221.5410, 15.6750,  
29.8110

4.7880, -13.4820,  
13.0620

238.5640, 7.7000,  
14.6440

2.8670, -6.6950,  
5.6970

0.0000, 0.0000,

0.0000

■ 97.5580, 8.9780,  
46.5620

■ 97.5580, 8.9780,  
46.5620

■ 86.0840, 10.6730,  
54.3930

■ 109.0320, 7.2830,  
38.7310

■ 75.1970, 12.0930,  
61.7010

■ 120.2180, 6.4590,  
31.6350

■ 63.4240, 13.1920,  
69.3200

■ 131.6920, 4.7640,  
23.8040

■ 53.4230, 14.9330,  
76.3170

■ 143.1660, 3.0690,  
15.9730

■ 154.0530, 1.6490,  
8.6650

■ 165.5270, -0.0460,  
0.8340

■ 177.3000, -1.1450,  
-6.7850

■ 188.7740, -2.8400,  
-14.6160

■ 199.6610, -4.2600,  
-21.9240

# Harmonies

## Analogous

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



79.9360, -81.0640, 15.3840



97.5580, 8.9780, 46.5620



85.9740, 57.8970, 57.5850

# Triad

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



97.5580, 8.9780, 46.5620



90.8470, 56.8100, -16.3580



84.2170, -73.1710, -23.0510

# Complementary

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



97.5580, 8.9780, 46.5620



134.4420, -8.9780, -46.5620

# 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.



76.8870, -55.2870, -38.7990



97.5580, 8.9780, 46.5620



86.7730, 24.1230, -35.2130

# Square

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



97.5580, 8.9780, 46.5620



87.5750, 79.0880, 9.4240



67.6990, -34.9270, -55.3670



88.4010, -87.7080, -7.3880



# Rectangle

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



97.5580, 8.9780, 46.5620



79.9790, 76.6960, 52.7920



67.6990, -34.9270, -55.3670



81.6920, -67.4390, -27.8150

# Sweetspot

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



97.5580, 8.9780, 46.5620



190.5190, 3.5730, 17.8530



95.4120, -41.5420, 14.9860



93.5200, 1.8320, 10.8560



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



97.5580, 8.9780, 46.5620



109.3040, 13.6500, 72.0340



104.9600, 34.1490, 47.4370



78.7060, 1.0080, 3.7600



47.3700, 13.2840, 67.6520



6.4660, 1.9240, 9.1880



# Inverse Universe

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



99.1460, 50.5200, 31.5760



111.8280, 78.4390, 48.7350



127.0400, -34.1490, -47.4370



78.6200, 4.1260, 2.3180



49.4960, 73.4420, 45.6820



6.6640, 9.9940, 6.1060



# Previews

## White Background



This preview shows how the YIQ color 97.5580, 8.9780, 46.5620 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 97.5580, 8.9780, 46.5620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

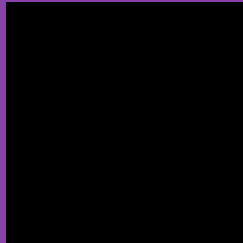
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 97.5580, 8.9780, 46.5620**

## **Background**



This preview shows how black text looks on a background with the YIQ color 97.5580, 8.9780, 46.5620.



This preview shows how white text looks on a background with the YIQ color 97.5580, 8.9780,



# 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

97.5580, 8.9780, 46.5620

### Protanopia

83.5130, -75.3790, 16.9810

### Deuteranopia

91.4390, -46.1720, 10.7880



## Tritanopia

98.1600, 20.4010, 10.2330

# Trichromacy



## Original Color

97.5580, 8.9780, 46.5620



## Protanomaly

88.6480, -44.6620, 27.4820



## Deuteranomaly

93.2940, -26.2300, 23.8340



## Tritanomaly

97.7380, 16.3180, 23.6620

# Monochromacy



## Original Color

97.5580, 8.9780, 46.5620



## Achromatopsia

98.0000, -0.0000, -0.0000



## Achromatomaly

97.6930, 3.0230, 16.8070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.5580, 8.9780, 46.5620 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, 65, 167)` looks like.

```
.text, #text, p{  
    color:rgb(135, 65, 167)  
}
```

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, 65, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 65, 167) }
```

## Border

The CSS property to change the border of an element to YIQ 97.5580, 8.9780, 46.5620 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, 65, 167) }
```



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

```
.border{ border-color:rgb(135, 65, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 65, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 65, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 65, 167); box-shadow:4px 4px 4px 4px rgb(135, 65, 167) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.5580, 8.9780, 46.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 65, 167) }
```

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

```
.background{ background-color: rgb(135, 65,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor