

Converting Colors

YIQ(80.3570, 39.3800, 24.2120)

Have a look what the booklet for
YIQ(80.3570, 39.3800, 24.2120)
contains.

YIQ(80.3570, 39.3800, 24.2120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(80.3570, 39.3800,
24.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	85364E
RGB	133, 54, 78
RGB Percent	52%, 21%, 31%
CMY	0.4782, 0.7883, 0.6940
CMYK	0.00, 0.59, 0.41, 0.48
HSL	342°, 42%, 37%
HSV	342°, 59%, 52%
XYZ	12.3751, 8.1766, 8.1403
YIQ	80.3570, 39.3800, 24.2120

Conversions

Conversions Part 2

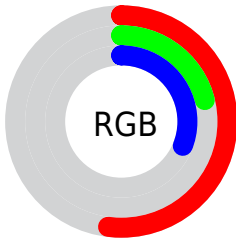
Format	Color
R_{YB}	133, 54, 78
Decimal	8730190
CIE _{Lab}	34.35, 36.40, 2.55
CIE _{LCh}	34, 36.492, 4.011
Yxy	8.1766, 0.4313, 0.2850
Android (android.graphics.Color)	4286920270 (0xFF85364E)
YUV	80.3570, -1.1620, 46.1679
Hunter-Lab	28.5947, 27.2096, 3.1376

Details

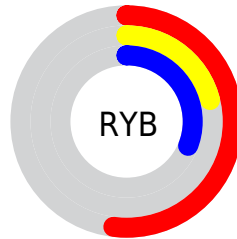
The YIQ color **80.3570, 39.3800, 24.2120** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **106.6430, -39.3800, -24.2120**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **132.0370, 43.2770, 25.1730**, and **27.7960, 36.7660, 27.5340** is the 20% darker color. If you saturate the color by 10%, you get **71.7000, 45.8440, 28.2120**, and if you desaturate by 10%, it is **89.0140, 32.9160, 20.2120**.

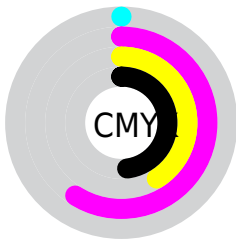
Distribution



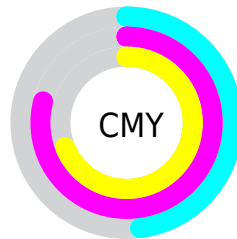
- Red (52%)
- Green (21%)
- Blue (31%)



- Red (52%)
- Yellow (21%)
- Blue (31%)



- Cyan (0%)
- Magenta (59%)
- Yellow (41%)
- Black (48%)



- Cyan (48%)
- Magenta (79%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.3570, 39.3800, 24.2120 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 80.3570, 39.3800, 24.2120 by changing the saturation by 10% instead.

80.3570, 39.3800,
24.2120

80.3570, 39.3800,
24.2120

255.0000, -0.0000,
-0.0000

54.9870, 37.5460,
24.4100

132.0370, 43.2770,
25.1730

27.7960, 36.7660,
27.5340

158.9340, 45.0650,
25.8090

17.6990, 29.2490,
15.0810

186.5320, 46.2570,
26.2330

7.5890, 14.5790,
5.6110

208.4380, 34.6580,
21.6820

0.0000, 0.0000,
0.0000

228.0660, 17.9700,
15.7460

246.7820, 3.8500,

7.3220

■ 80.3570, 39.3800,
24.2120

■ 80.3570, 39.3800,
24.2120

■ 71.7000, 45.8440,
28.2120

■ 89.0140, 32.9160,
20.2120

■ 62.4560, 52.5830,
32.7350

■ 98.3720, 25.8560,
16.0000

■ 53.6850, 59.3680,
36.4240

■ 107.0290, 19.3920,
12.0000

■ 45.0280, 65.8320,
40.4240

■ 115.6860, 12.9280,
8.0000

■ 44.3270, 66.4280,
40.6360

■ 124.3430, 6.4640,
4.0000

■ 133.7010, -0.5960,
-0.2120

■ 142.3580, -7.0600,
-4.2120

■ 151.0150,
-13.5240, -8.2120

■ 160.2590,
-20.2630, -12.7350

Harmonies

Analogous

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



82.9990, 20.0770, 27.1250



80.3570, 39.3800, 24.2120



79.5020, 45.8010, 12.4650

Triad

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



80.3570, 39.3800, 24.2120



73.7990, 4.0390, -23.6490



67.9920, -67.4430, -5.7070

Complementary

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



80.3570, 39.3800, 24.2120



106.6430, -39.3800, -24.2120

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.



67.9460, -61.8020, -14.3300



80.3570, 39.3800, 24.2120



64.9330, -34.5650, -28.8770

Square

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



80.3570, 39.3800, 24.2120



77.4060, 27.3750, -17.0490



65.3410, -53.0890, -23.5610



71.1450, -54.3320, 4.4840

Rectangle

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



80.3570, 39.3800, 24.2120



79.0960, 43.6480, 1.9200



65.3410, -53.0890, -23.5610



68.4820, -66.0670, -8.6190

Sweetspot

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



80.3570, 39.3800, 24.2120



152.4090, 15.2660, 9.6820



79.1520, 6.8250, 36.0170



74.2510, 9.7190, 5.5830



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



80.3570, 39.3800, 24.2120



91.1090, 61.1100, 37.8940



85.8390, 43.2340, 9.4260



62.0220, 2.9340, 1.8940



43.4300, 64.6400, 40.0000



1.0110, 1.4670, 0.9470

Inverse Universe

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



80.3570, 39.3800, 24.2120



91.1090, 61.1100, 37.8940



101.1610, -43.2340, -9.4260



62.0220, 2.9340, 1.8940



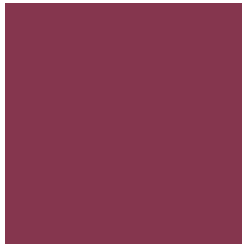
43.4300, 64.6400, 40.0000



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 80.3570, 39.3800, 24.2120 looks on a white background.

Color Contrast Check

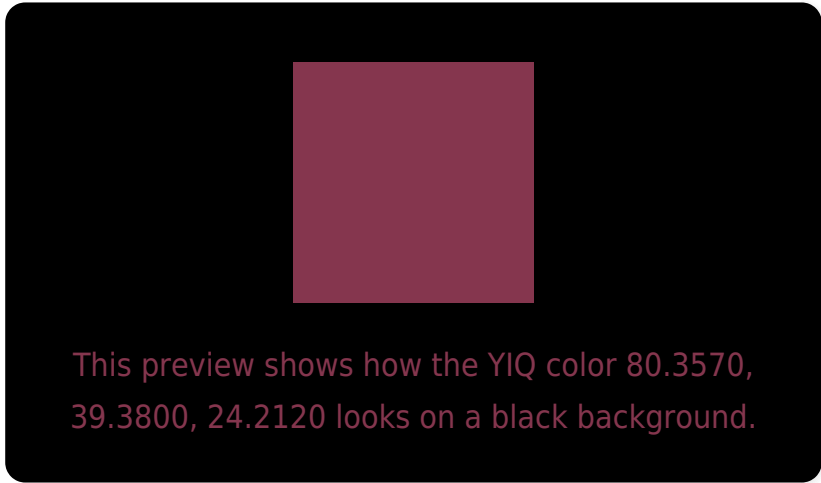
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

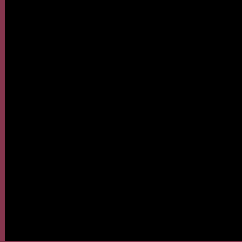
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.3570, 39.3800, 24.2120

Background



This preview shows how black text looks on a background with the YIQ color 80.3570, 39.3800, 24.2120.



This preview shows how white text looks on a background with the YIQ color 80.3570, 39.3800,

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

80.3570, 39.3800, 24.2120

Protanopia

81.8840, -5.3650, 3.6190

Deuteranopia

82.3170, 9.3530, 1.2010



Tritanopia

79.8810, 43.4160, 17.1440

Trichromacy



Original Color

80.3570, 39.3800, 24.2120

Protanomaly

81.3100, 11.2310, 11.2230

Deuteranomaly

81.6330, 20.4470, 9.3990

Tritanomaly

79.9780, 41.7650, 19.5330

Monochromacy



Original Color

80.3570, 39.3800, 24.2120

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.2840, 14.1200, 8.4240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.3570, 39.3800, 24.2120 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(133, 54, 78)` looks like.

```
.text, #text, p{  
    color:rgb(133, 54, 78)  
}
```

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(133, 54, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 54, 78) }
```

Border

The CSS property to change the border of an element to YIQ 80.3570, 39.3800, 24.2120 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(133, 54, 78) }
```


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

```
.border{ border-color:rgb(133, 54, 78) }
```

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

Here you see how a box with a 4 pixel rgb(133, 54, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 54, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 54, 78);  
box-shadow:4px 4px 4px 4px rgb(133, 54,  
78) }
```

Background

The CSS property to change the background color of an element to YIQ 80.3570, 39.3800, 24.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 54, 78) }
```

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

```
.background{ background-color: rgb(133, 54,  
78) }
```

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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