

Converting Colors

YIQ(103.8030, 0.4980, 35.0420)

Have a look what the booklet for
YIQ(103.8030, 0.4980, 35.0420)
contains.

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Color

**YIQ(103.8030, 0.4980,
35.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	7E51A3
RGB	126, 81, 163
RGB Percent	49%, 32%, 64%
CMY	0.5057, 0.6824, 0.3608
CMYK	0.23, 0.50, 0.00, 0.36
HSL	273°, 34%, 48%
HSV	273°, 50%, 64%
XYZ	18.1606, 12.9645, 36.1882
YIQ	103.8030, 0.4980, 35.0420

Conversions

Conversions Part 2

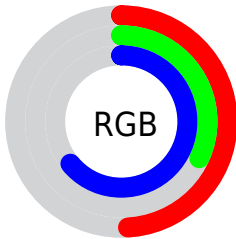
Format	Color
R_{YB}	126, 81, 163
Decimal	8278435
CIE _{Lab}	42.71, 34.92, -37.31
CIE _{LCh}	43, 51.107, 313.106
Yxy	12.9645, 0.2698, 0.1926
Android (android.graphics.Color)	4286468515 (0xFF7E51A3)
YUV	103.8030, 29.1841, 19.4668
Hunter-Lab	36.0063, 27.0196, -34.3851

Details

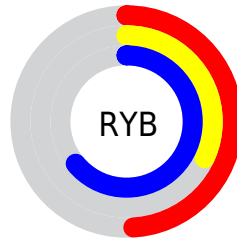
The YIQ color $103.8030, 0.4980, 35.0420$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $140.1970, -0.4980, -35.0420$, and the grayscale version is $104.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $156.1560, 1.0020, 36.9220$, and $54.1510, -0.6020, 32.9500$ is the 20% darker color. If you saturate the color by 10%, you get $92.3180, 0.7260, 41.9260$, and if you desaturate by 10%, it is $115.2880, 0.2700, 28.1580$.

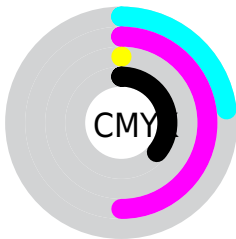
Distribution



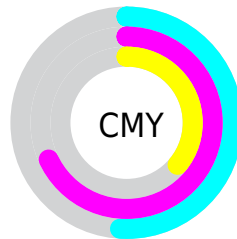
- Red (49%)
- Green (32%)
- Blue (64%)



- Red (49%)
- Yellow (32%)
- Blue (64%)



- Cyan (23%)
- Magenta (50%)
- Yellow (0%)
- Black (36%)



- Cyan (51%)
- Magenta (68%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.8030, 0.4980, 35.0420 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 103.8030, 0.4980, 35.0420 by changing the saturation by 10% instead.

■ 103.8030, 0.4980,
35.0420

■ 103.8030, 0.4980,
35.0420

■ 255.0000, -0.0000,
-0.0000

■ 78.8630, 0.2690,
33.6850

■ 156.4550, 1.5980,
37.1340

■ 54.1510, -0.6020,
32.9500

■ 183.3950, 1.8270,
38.4910

■ 29.7380, -0.8770,
32.4270

■ 208.8270, 9.1180,
33.0060

■ 14.8420, -4.4060,
24.7940

■ 230.3460, 11.5500,
21.9660

■ 4.4460, -12.5190,
12.1290

■ 247.3690, 3.5750,
6.7990

■ 2.5250, -5.7320,
4.7640

■ 0.0000, 0.0000,

0.0000

■ 103.8030, 0.4980,
35.0420

■ 103.8030, 0.4980,
35.0420

■ 92.3180, 0.7260,
41.9260

■ 115.2880, 0.2700,
28.1580

■ 79.9470, 0.6330,
49.1210

■ 127.6590, 0.3630,
20.9630

■ 68.4620, 0.8610,
56.0050

■ 139.1440, 0.1350,
14.0790

■ 56.9770, 1.0890,
62.8890

■ 150.6290, -0.0930,
7.1950

■ 45.4920, 1.3170,
69.7730

■ 162.4130, 0.2750,
0.5230

■ 174.4850, -0.2280,
-6.8840

■ 185.9700, -0.4560,
-13.7680

■ 197.7540, -0.0880,
-20.4400

■ 209.8260, -0.5910,
-27.8470

Harmonies

Analogous

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



91.9460, -60.6610, 14.5630



103.8030, 0.4980, 35.0420



100.3810, 39.9730, 41.0050

Triad

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



103.8030, 0.4980, 35.0420



95.9010, 56.7180, -14.6900



84.0060, -71.1990, -25.7510

Complementary

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



103.8030, 0.4980, 35.0420



140.1970, -0.4980, -35.0420

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.



78.4030, -56.8000, -38.9120



103.8030, 0.4980, 35.0420



92.7310, 33.1090, -32.8670

Square

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



103.8030, 0.4980, 35.0420



97.3270, 65.2870, 11.7430



87.1250, -9.1630, -37.6990



87.8650, -83.4430, -13.0990

Rectangle

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



103.8030, 0.4980, 35.0420



96.9560, 57.1670, 37.7670



87.1250, -9.1630, -37.6990



82.2960, -66.3840, -30.4160

Sweetspot

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



103.8030, 0.4980, 35.0420



188.7310, -0.1400, 13.5560



112.6540, -36.7720, 5.6280



93.1560, -0.1390, 8.0290



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



103.8030, 0.4980, 35.0420



120.1090, 0.3570, 54.1250



114.5240, 23.5130, 41.9530



75.5210, 0.0910, 3.8590



40.4500, 1.1350, 62.0550



5.0420, 0.1820, 7.7180

Inverse Universe

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



109.7360, 36.9950, 28.8910



129.4710, 57.3950, 44.6510



129.4760, -23.5130, -41.9530



76.1470, 4.0800, 3.1520



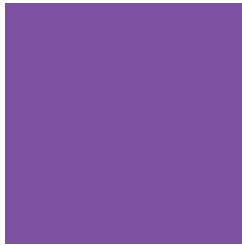
50.7650, 65.5550, 50.9550



6.2940, 8.1600, 6.3040

Previews

White Background



This preview shows how the YIQ color 103.8030, 0.4980, 35.0420 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 103.8030, 0.4980, 35.0420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

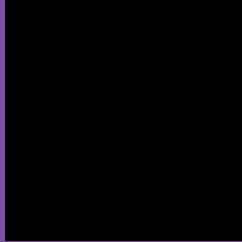
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 103.8030, 0.4980, 35.0420

Background



This preview shows how black text looks on a background with the YIQ color 103.8030, 0.4980, 35.0420.



This preview shows how white text looks on a background with the YIQ color 103.8030, 0.4980,

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

103.8030, 0.4980, 35.0420

Protanopia

96.7690, -46.8610, 17.7710

Deuteranopia

98.3430, -37.0940, 11.4660



Tritanopia

102.7780, 9.6730, 6.4170

Trichromacy



Original Color

103.8030, 0.4980, 35.0420

Protanomaly

99.4400, -29.5770, 23.9190

Deuteranomaly

100.3280, -23.5700, 19.6780

Tritanomaly

103.5470, 6.3700, 16.7220

Monochromacy



Original Color

103.8030, 0.4980, 35.0420

Achromatopsia

104.0000, -0.0000, -0.0000

Achromatomaly

104.0900, 0.2270, 12.4110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.8030, 0.4980, 35.0420 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(126, 81, 163)` looks like.

```
.text, #text, p{  
    color:rgb(126, 81, 163)  
}
```

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(126, 81, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 81, 163) }
```

Border

The CSS property to change the border of an element to YIQ 103.8030, 0.4980, 35.0420 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(126, 81, 163) }
```


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

```
.border{ border-color:rgb(126, 81, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 81, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 81, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 81, 163);  
box-shadow:4px 4px 4px 4px rgb(126, 81,  
163) }
```

Background

The CSS property to change the background color of an element to YIQ 103.8030, 0.4980, 35.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 81, 163) }
```

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

```
.background{ background-color: rgb(126, 81,  
163) }
```

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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