

Converting Colors

YIQ(103.8740, 1.7360, 34.6320)

Have a look what the booklet for
YIQ(103.8740, 1.7360, 34.6320)
contains.

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Color

**YIQ(103.8740, 1.7360,
34.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	7F51A1
RGB	127, 81, 161
RGB Percent	50%, 32%, 63%
CMY	0.5018, 0.6824, 0.3687
CMYK	0.21, 0.50, 0.00, 0.37
HSL	275°, 33%, 47%
HSV	275°, 50%, 63%
XYZ	18.1312, 12.9699, 35.2595
YIQ	103.8740, 1.7360, 34.6320

Conversions

Conversions Part 2

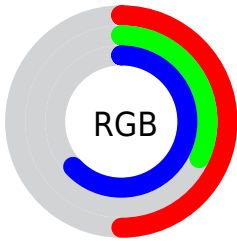
Format	Color
R_{YB}	127, 81, 161
Decimal	8343969
CIE _{Lab}	42.72, 34.73, -36.10
CIE _{LCh}	43, 50.099, 313.892
Yxy	12.9699, 0.2732, 0.1954
Android (android.graphics.Color)	4286534049 (0xFF7F51A1)
YUV	103.8740, 28.1631, 20.2815
Hunter-Lab	36.0137, 26.8425, -32.8388

Details

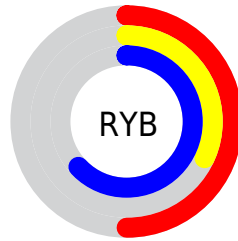
The YIQ color **103.8740, 1.7360, 34.6320** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **138.1260, -1.7360, -34.6320**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.2270, 2.2400, 36.5120**, and **54.2220, 0.6360, 32.5400** is the 20% darker color. If you saturate the color by 10%, you get **92.3890, 1.9640, 41.5160**, and if you desaturate by 10%, it is **115.3590, 1.5080, 27.7480**.

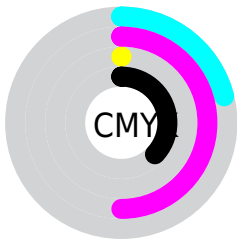
Distribution



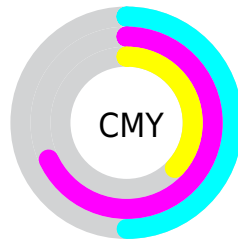
- Red (50%)
- Green (32%)
- Blue (63%)



- Red (50%)
- Yellow (32%)
- Blue (63%)



- Cyan (21%)
- Magenta (50%)
- Yellow (0%)
- Black (37%)



- Cyan (50%)
- Magenta (68%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.8740, 1.7360, 34.6320 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 103.8740, 1.7360, 34.6320 by changing the saturation by 10% instead.

103.8740, 1.7360,
34.6320

103.8740, 1.7360,
34.6320

255.0000, -0.0000,
-0.0000

78.9340, 1.5070,
33.2750

156.2270, 2.2400,
36.5120

54.2220, 0.6360,
32.5400

183.4660, 3.0650,
38.0810

29.8090, 0.3610,
32.0170

208.8270, 9.1180,
33.0060

15.3260, -2.8930,
24.9070

230.3460, 11.5500,
21.9660

4.3320, -12.1980,
11.8180

247.3690, 3.5750,
6.7990

2.2970, -5.0900,
4.1420

0.0000, 0.0000,

0.0000

■ 103.8740, 1.7360,
34.6320

■ 103.8740, 1.7360,
34.6320

■ 92.3890, 1.9640,
41.5160

■ 115.3590, 1.5080,
27.7480

■ 80.9040, 2.1920,
48.4000

■ 126.8440, 1.2800,
20.8640

■ 69.7180, 3.0160,
55.4960

■ 138.3290, 1.0520,
13.9800

■ 58.2330, 3.2440,
62.3800

■ 149.5150, 0.2280,
6.8840

■ 46.1610, 3.7470,
69.7870

■ 161.0000, -0.0000,
-0.0000

■ 173.0720, -0.5030,
-7.4070

■ 184.5570, -0.7310,
-14.2910

■ 196.0420, -0.9590,
-21.1750

■ 207.5270, -1.1870,
-28.0590

Harmonies

Analogous

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



93.8110, -55.8470, 15.4250



103.8740, 1.7360, 34.6320



100.8540, 40.0190, 40.1710

Triad

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



103.8740, 1.7360, 34.6320



96.1180, 54.6090, -15.0150



84.1200, -71.5200, -25.4400

Complementary

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



103.8740, 1.7360, 34.6320



138.1260, -1.7360, -34.6320

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.



78.5170, -57.1210, -38.6010



103.8740, 1.7360, 34.6320



92.5460, 32.1920, -32.7680

Square

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



103.8740, 1.7360, 34.6320



97.3160, 63.8200, 10.7960



87.4670, -10.1260, -36.7660



87.1640, -82.8470, -12.8870

Rectangle

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



103.8740, 1.7360, 34.6320



97.7170, 56.3420, 36.1980



87.4670, -10.1260, -36.7660



82.4100, -66.7050, -30.1050

Sweetspot

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



103.8740, 1.7360, 34.6320



186.9160, 0.7770, 13.4570



110.6650, -35.3050, 6.5750



91.4550, 0.4570, 8.2410



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



103.8740, 1.7360, 34.6320



119.7780, 2.7870, 54.1390



113.4700, 23.6050, 40.2850



75.5210, 0.0910, 3.8590



41.6460, 3.5190, 62.9030



5.0420, 0.1820, 7.7180

Inverse Universe

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



108.7960, 36.7660, 27.5340



127.4170, 57.4870, 42.9830



128.5300, -23.6050, -40.2850



76.1470, 4.0800, 3.1520



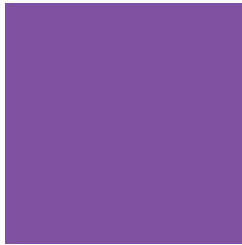
50.4230, 66.5180, 50.0220



6.2940, 8.1600, 6.3040

Previews

White Background



This preview shows how the YIQ color 103.8740, 1.7360, 34.6320 looks on a white background.

Color Contrast Check

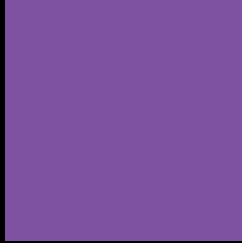
Large Text (above 18pt) WCAG AA ✓ Pass

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 103.8740, 1.7360, 34.6320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

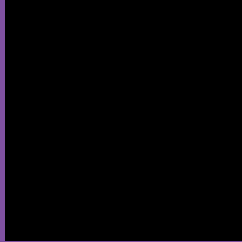
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 103.8740, 1.7360, 34.6320

Background



This preview shows how black text looks on a background with the YIQ color 103.8740, 1.7360, 34.6320.



This preview shows how white text looks on a background with the YIQ color 103.8740, 1.7360,

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

103.8740, 1.7360, 34.6320

Protanopia

97.7260, -45.3020, 17.0500

Deuteranopia

98.7130, -35.2600, 11.2680



Tritanopia

102.3760, 10.8650, 6.8410

Trichromacy



Original Color

103.8740, 1.7360, 34.6320

Protanomaly

99.8100, -27.7430, 23.7210

Deuteranomaly

100.6980, -21.7360, 19.4800

Tritanomaly

103.0310, 7.8830, 16.8350

Monochromacy



Original Color

103.8740, 1.7360, 34.6320

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 103.8740, 1.7360, 34.6320 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(127, 81, 161)` looks like.

```
.text, #text, p{  
    color:rgb(127, 81, 161)  
}
```

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(127, 81, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 81, 161) }
```

Border

The CSS property to change the border of an element to YIQ 103.8740, 1.7360, 34.6320 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(127, 81, 161) }
```


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

```
.border{ border-color:rgb(127, 81, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 81, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 81, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 81, 161);  
box-shadow:4px 4px 4px 4px rgb(127, 81,  
161) }
```

Background

The CSS property to change the background color of an element to YIQ 103.8740, 1.7360, 34.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 81, 161) }
```

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

```
.background{ background-color: rgb(127, 81,  
161) }
```

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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