

Converting Colors

YIQ(103.4040, 15.9440, 63.4960)

Have a look what the booklet for
YIQ(103.4040, 15.9440, 63.4960)
contains.

YIQ(103.4040, 15.9440, 63.4960)	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(103.4040, 15.9440,
63.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3AC2
RGB	158, 58, 194
RGB Percent	62%, 23%, 76%
CMY	0.3801, 0.7727, 0.2393
CMYK	0.19, 0.70, 0.00, 0.24
HSL	284°, 54%, 49%
HSV	284°, 70%, 76%
XYZ	25.3641, 14.1939, 52.4355
YIQ	103.4040, 15.9440, 63.4960

Conversions

Conversions Part 2

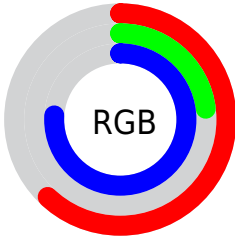
Format	Color
RYB	158, 58, 194
Decimal	10369730
CIELab	44.51, 61.09, -52.44
CIElCh	45, 80.509, 319.357
Yxy	14.1939, 0.2757, 0.1543
Android (android.graphics.Color)	4288559810 (0xFF9E3AC2)
YUV	103.4040, 44.6638, 47.8807
Hunter-Lab	37.6748, 54.2419, -56.1469

Details

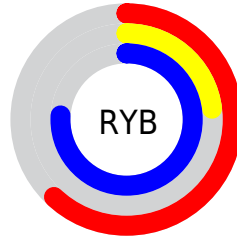
The YIQ color $[103.4040, 15.9440, 63.4960]$ is a dark color, and the websafe version is hex $9933CC$. The color can be described as middle muted purple. A complement of this color would be $[148.5960, -15.9440, -63.4960]$, and the grayscale version is $[103.0000, -0.0000, 0.0000]$.

A 20% lighter version of the original color is $[159.5290, 17.0900, 64.7540]$, and $[46.3440, 16.1730, 64.8530]$ is the 20% darker color. If you saturate the color by 10%, you get $[90.7560, 18.1890, 72.3730]$, and if you desaturate by 10%, it is $[116.0520, 13.6990, 54.6190]$.

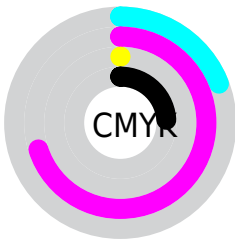
Distribution



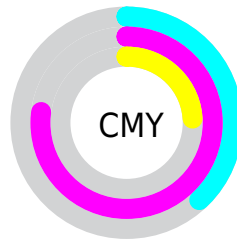
- Red (62%)
- Green (23%)
- Blue (76%)



- Red (62%)
- Yellow (23%)
- Blue (76%)



- Cyan (19%)
- Magenta (70%)
- Yellow (0%)
- Black (24%)



- Cyan (38%)
- Magenta (77%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.4040, 15.9440, 63.4960 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 103.4040, 15.9440, 63.4960 by changing the saturation by 10% instead.

103.4040, 15.9440,
63.4960

103.4040, 15.9440,
63.4960

255.0000, -0.0000,
-0.0000

73.0560, 17.0440,
65.5880

159.5290, 17.0900,
64.7540

46.3440, 16.1730,
64.8530

185.3910, 25.9860,
57.7140

35.0080, 7.8310,
50.8310

204.5180, 23.6500,
44.9780

24.0850, -0.2360,
37.3320

220.9540, 15.9500,
30.3340

12.6780, -9.8160,
23.7200

237.9770, 7.9750,
15.1670

6.4350, -13.9860,
11.1820

2.6390, -6.0530,

5.0750

■ 0.0000, 0.0000,
0.0000

■ 103.4040, 15.9440,
63.4960

■ 103.4040, 15.9440,
63.4960

■ 90.7560, 18.1890,
72.3730

■ 116.0520, 13.6990,
54.6190

■ 77.5210, 20.7090,
81.7730

■ 129.2870, 11.1790,
45.2190

■ 64.8730, 22.9540,
90.6500

■ 141.9350, 8.9340,
36.3420

■ 155.4690, 7.0100,
27.1540

■ 168.1170, 4.7650,
18.2770

■ 180.7650, 2.5200,
9.4000

■ 194.0000, -0.0000,
0.0000

■ 206.6480, -2.2450,
-8.8770

■ 219.8830, -4.7650,
-18.2770

Harmonies

Analogous

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



84.7890, -102.3390, 20.9970



103.4040, 15.9440, 63.4960



77.5390, 82.1920, 85.3600

Triad

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



103.4040, 15.9440, 63.4960



99.4300, 62.3580, -17.7860



94.3560, -83.8080, -23.0080

Complementary

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



103.4040, 15.9440, 63.4960



148.5960, -15.9440, -63.4960

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.



85.7890, -61.0630, -44.2550



103.4040, 15.9440, 63.4960



93.8170, 20.8230, -41.4890

Square

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



103.4040, 15.9440, 63.4960



91.1660, 99.3530, 11.1050



73.9620, -34.6500, -65.8980



100.4950, -102.4720, -4.1360

Rectangle

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



103.4040, 15.9440, 63.4960



75.2140, 101.6800, 73.5840



73.9620, -34.6500, -65.8980



91.7340, -76.4250, -30.1610

Sweetspot

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



103.4040, 15.9440, 63.4960



216.7030, 6.2310, 24.7510



94.6360, -53.5560, 23.4680



106.5250, 3.4360, 14.8280



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



103.4040, 15.9440, 63.4960



110.8120, 24.9240, 99.0040



110.5200, 47.6720, 61.1760



90.2330, 0.9620, 4.5940



53.6360, 18.6470, 75.0870



10.9380, 3.7110, 15.3510

Inverse Universe

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



102.7680, 69.5000, 40.0280



109.7720, 108.3760, 62.3600



141.4800, -47.6720, -61.1760



90.3320, 4.9970, 3.0530



52.9270, 82.4740, 47.1940



10.8930, 16.7790, 9.7950

Previews

White Background



This preview shows how the YIQ color 103.4040, 15.9440, 63.4960 looks on a white background.

Color Contrast Check

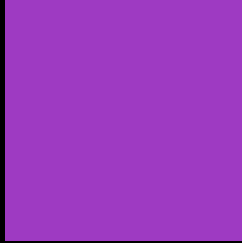
Large Text (above 18pt) WCAG AA ✓ Pass

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 103.4040, 15.9440, 63.4960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

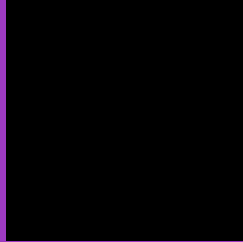
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 103.4040, 15.9440, 63.4960

Background



This preview shows how black text looks on a background with the YIQ color 103.4040, 15.9440, 63.4960.



This preview shows how white text looks on a background with the YIQ color 103.4040, 15.9440,

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

103.4040, 15.9440, 63.4960

Protanopia

84.4980, -97.3860, 13.8300

Deuteranopia

95.5600, -65.5660, 9.8420



Tritanopia

106.9440, 29.9370, 13.6250

Trichromacy



Original Color

103.4040, 15.9440, 63.4960



Protanomaly

91.2370, -56.4460, 31.7940



Deuteranomaly

98.1930, -35.9510, 29.3050



Tritanomaly

105.3850, 24.9820, 31.8460

Monochromacy



Original Color

103.4040, 15.9440, 63.4960



Achromatopsia

103.0000, -0.0000, 0.0000



Achromatomaly

103.3500, 5.7270, 22.8710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.4040, 15.9440, 63.4960 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(158, 58, 194)` looks like.

```
.text, #text, p{  
    color:rgb(158, 58, 194)  
}
```

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(158, 58, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 58, 194) }
```

Border

The CSS property to change the border of an element to YIQ 103.4040, 15.9440, 63.4960 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(158, 58, 194) }
```


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

```
.border{ border-color:rgb(158, 58, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 58, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 58, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 58, 194);  
box-shadow:4px 4px 4px 4px rgb(158, 58,  
194) }
```

Background

The CSS property to change the background color of an element to YIQ 103.4040, 15.9440, 63.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 58, 194) }
```

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

```
.background{ background-color: rgb(158, 58,  
194) }
```

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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