

Converting Colors

`YIQ(103.0850, 69.6850, 31.1650)`

Have a look what the booklet for
YIQ(103.0850, 69.6850, 31.1650)
contains.

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Color

**YIQ(103.0850, 69.6850,
31.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	BD404F
RGB	189, 64, 79
RGB Percent	74%, 25%, 31%
CMY	0.2585, 0.7492, 0.6899
CMYK	0.00, 0.66, 0.58, 0.26
HSL	353°, 49%, 50%
HSV	353°, 66%, 74%
XYZ	24.2499, 15.0552, 9.0379
YIQ	103.0850, 69.6850, 31.1650

Conversions

Conversions Part 2

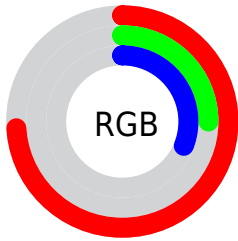
Format	Color
R _Y B	189, 64, 79
Decimal	12402767
CIE Lab	45.71, 51.13, 19.15
CIE LCh	46, 54.602, 20.535
Yxy	15.0552, 0.5016, 0.3114
Android (android.graphics.Color)	4290592847 (0xFFBD404F)
YUV	103.0850, -11.8739, 75.3475
Hunter-Lab	38.8010, 43.6571, 13.3504

Details

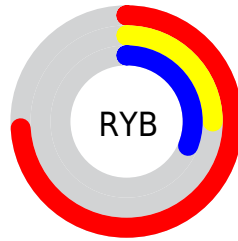
The YIQ color **103.0850, 69.6850, 31.1650** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **149.9150, -69.6850, -31.1650**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **158.6080, 75.4620, 31.0940**, and **42.8600, 66.2450, 38.4450** is the 20% darker color. If you saturate the color by 10%, you get **89.9940, 80.3670, 35.8150**, and if you desaturate by 10%, it is **116.1760, 59.0030, 26.5150**.

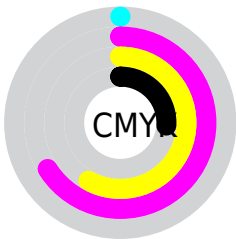
Distribution



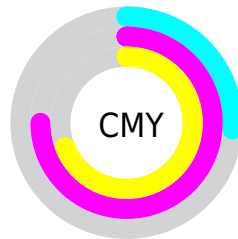
- Red (74%)
- Green (25%)
- Blue (31%)



- Red (74%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (66%)
- Yellow (58%)
- Black (26%)




- Cyan (26%)
- Magenta (75%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 103.0850, 69.6850, 31.1650 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 103.0850, 69.6850, 31.1650 by changing the saturation by 10% instead.


 103.0850, 69.6850,
31.1650


 103.0850, 69.6850,
31.1650


255.0000, -0.0000,
-0.0000


 74.4700, 67.1630,
32.8190


 158.6080, 75.4620,
31.0940


 42.8600, 66.2450,
38.4450


 179.5030, 62.3960,
25.5960


 31.7950, 55.7020,
25.7660

 199.0170, 46.0290,
19.3490

 21.5280, 42.9120,
15.2640

 218.5310, 29.6620,
13.1020

 13.5690, 26.4990,
9.8510

 238.7460, 12.6990,
6.6430

 0.0000, 0.0000,
0.0000

■ 103.0850, 69.6850,
31.1650

■ 103.0850, 69.6850,
31.1650

■ 89.9940, 80.3670,
35.8150

■ 116.1760, 59.0030,
26.5150

■ 77.0170, 90.7280,
40.7760

■ 129.1530, 48.6420,
21.5540

■ 63.9260, 101.4100,
45.4260

■ 142.2440, 37.9600,
16.9040

■ 59.1330, 105.2610,
47.2210

■ 155.3350, 27.2780,
12.2540


■ 167.7250, 17.1920,
7.8160

■ 180.8160, 6.5100,
3.1660

■ 193.7930, -3.8510,
-1.7950

■ 206.8840,

-14.5330, -6.4450

 219.9750,
-25.2150, -11.0950

Harmonies

Analogous

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



105.6490, 51.0220, 44.5100



103.0850, 69.6850, 31.1650



104.1930, 68.3600, 5.6080

Triad

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



103.0850, 69.6850, 31.1650



89.6930, -25.6220, -42.2780



91.9520, -96.3290, 0.1750

Complementary

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



103.0850, 69.6850, 31.1650



149.9150, -69.6850, -31.1650

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.



94.2540, -91.7880, -10.5400



103.0850, 69.6850, 31.1650



85.6240, -64.7320, -38.3320

Square

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



103.0850, 69.6850, 31.1650



97.4050, 27.9750, -38.9450



91.5690, -80.0940, -24.2380



105.0130, -44.4320, 23.3120

Rectangle

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



103.0850, 69.6850, 31.1650



102.8370, 62.7700, -14.2380



91.5690, -80.0940, -24.2380



93.1430, -95.5490, -2.9490

Sweetspot

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



103.0850, 69.6850, 31.1650



211.3350, 27.2780, 12.2540



110.5420, 24.2430, 61.7710



102.1270, 16.0000, 7.3920



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



103.0850, 69.6850, 31.1650



111.7420, 107.9200, 48.5920



128.3770, 61.8500, 2.4420



87.8050, 5.0430, 2.2190



49.4080, 88.0690, 39.4050



9.7250, 17.1920, 7.8160

Inverse Universe

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



103.0850, 69.6850, 31.1650



111.7420, 107.9200, 48.5920



124.6230, -61.8500, -2.4420



87.8050, 5.0430, 2.2190



49.4080, 88.0690, 39.4050



9.7250, 17.1920, 7.8160

Previews

White Background



This preview shows how the YIQ color 103.0850, 69.6850, 31.1650 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 103.0850, 69.6850, 31.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

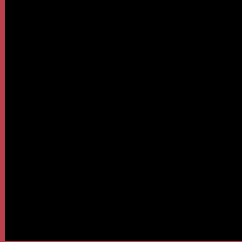
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 103.0850, 69.6850, 31.1650

Background



This preview shows how black text looks on a background with the YIQ color 103.0850, 69.6850, 31.1650.



This preview shows how white text looks on a background with the YIQ color 103.0850, 69.6850,

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

103.0850, 69.6850, 31.1650

Protanopia

109.0560, 5.5940, -2.2620

Deuteranopia

108.5390, 26.0430, -3.9170



Tritanopia

103.1190, 72.3450, 27.0090

Trichromacy



Original Color

103.0850, 69.6850, 31.1650

Protanomaly

107.2380, 28.9290, 9.8650

Deuteranomaly

106.2410, 42.0420, 9.0020

Tritanomaly

102.9880, 71.3360, 28.7760

Monochromacy



Original Color

103.0850, 69.6850, 31.1650

Achromatopsia

103.0000, -0.0000, 0.0000

Achromatomaly

103.0250, 25.2150, 11.0950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.0850, 69.6850, 31.1650 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(189, 64, 79)` looks like.

```
.text, #text, p{  
    color:rgb(189, 64, 79)  
}
```

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(189, 64, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 64, 79) }
```

Border

The CSS property to change the border of an element to YIQ 103.0850, 69.6850, 31.1650 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(189, 64, 79) }
```


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

```
.border{ border-color:rgb(189, 64, 79) }
```

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

Here you see how a box with a 4 pixel rgb(189, 64, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 64, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 64, 79);  
box-shadow:4px 4px 4px 4px rgb(189, 64,  
79) }
```

Background

The CSS property to change the background color of an element to YIQ 103.0850, 69.6850, 31.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 64, 79) }
```

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

```
.background{ background-color: rgb(189, 64,  
79) }
```

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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