

Converting Colors

YIQ(123.1890, -3.7650, 29.6990)

Have a look what the booklet for
YIQ(123.1890, -3.7650, 29.6990)
contains.

YIQ(123.1890, -3.7650, 29.6990)	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(123.1890, -3.7650,
29.6990)**

Conversions

Conversions Part 1

Format	Color
Hex	8A69B2
RGB	138, 105, 178
RGB Percent	54%, 41%, 70%
CMY	0.4587, 0.5883, 0.3020
CMYK	0.22, 0.41, 0.00, 0.30
HSL	267°, 32%, 55%
HSV	267°, 41%, 70%
XYZ	23.5707, 18.7200, 44.4809
YIQ	123.1890, -3.7650, 29.6990

Conversions

Conversions Part 2

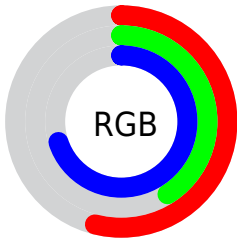
Format	Color
R_{YB}	138, 105, 178
Decimal	9071026
CIE _{Lab}	50.36, 28.11, -33.99
CIE _{LCh}	50, 44.107, 309.589
Yxy	18.7200, 0.2716, 0.2157
Android (android.graphics.Color)	4287261106 (0xFF8A69B2)
YUV	123.1890, 27.0218, 12.9892
Hunter-Lab	43.2666, 21.5265, -30.6674

Details

The YIQ color $123.1890, -3.7650, 29.6990$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $159.8110, 3.7650, -29.6990$, and the grayscale version is $123.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $176.5420, -3.2610, 31.5790$, and $73.4230, -4.5440, 27.2960$ is the 20% darker color. If you saturate the color by 10%, you get $109.6330, -4.7750, 36.9930$, and if you desaturate by 10%, it is $136.7450, -2.7550, 22.4050$.

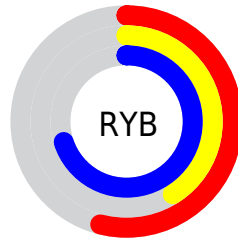
Distribution



Red (54%)

Green (41%)

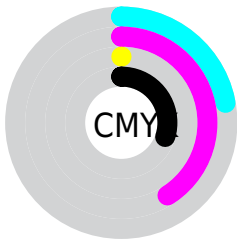
Blue (70%)



Red (54%)

Yellow (41%)

Blue (70%)

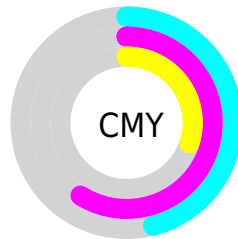


Cyan (22%)

Magenta (41%)

Yellow (0%)

Black (30%)



Cyan (46%)

Magenta (59%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 123.1890, -3.7650, 29.6990 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 123.1890, -3.7650, 29.6990 by changing the saturation by 10% instead.

■ 123.1890, -3.7650,
29.6990

■ 123.1890, -3.7650,
29.6990

■ 255.0000, -0.0000,
-0.0000

■ 97.6620, -3.7190,
28.8650

■ 176.5420, -3.2610,
31.5790

■ 73.4230, -4.5440,
27.2960

■ 203.1570, -0.7390,
29.9250

■ 49.5970, -5.0940,
26.2500

■ 228.2640, 8.8450,
21.4290

■ 27.2440, -5.5980,
24.3700

■ 246.1950, 4.1250,
7.8450

■ 11.6090, -5.3680,
20.2000

■ 4.5940, -10.1800,
8.2840

■ 0.0000, 0.0000,

0.0000

■ 123.1890, -3.7650,
29.6990

■ 123.1890, -3.7650,
29.6990

■ 109.6330, -4.7750,
36.9930

■ 136.7450, -2.7550,
22.4050

■ 96.3760, -5.1890,
44.4990

■ 150.3010, -1.7450,
15.1110

■ 83.4070, -6.4740,
51.2700

■ 162.9710, -1.0560,
8.1280

■ 69.8510, -7.4840,
58.5640

■ 176.5270, -0.0460,
0.8340

■ 56.2950, -8.4940,
65.8580

■ 190.0830, 0.9640,
-6.4600

■ 44.5110, -8.8620,
72.5300

■ 203.3400, 1.3780,
-13.9660

■ 216.8960, 2.3880,
-21.2600

■ 229.8650, 3.6730,
-28.0310

■ 237.5510, 7.4330,
-30.0950

Harmonies

Analogous

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



114.3830, -51.7660, 13.0500



123.1890, -3.7650, 29.6990



122.5000, 32.0880, 35.2240

Triad

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



123.1890, -3.7650, 29.6990



117.8930, 51.1690, -7.7350



96.5270, -80.2760, -31.9560

Complementary

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



123.1890, -3.7650, 29.6990



159.8110, 3.7650, -29.6990

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.



97.1860, -54.6910, -38.5870



123.1890, -3.7650, 29.6990



114.8590, 30.1730, -23.7070

Square

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



123.1890, -3.7650, 29.6990



118.9180, 59.1890, 12.1250



110.2340, -1.9200, -31.2960



99.4570, -91.2820, -19.7140

Rectangle

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



123.1890, -3.7650, 29.6990



120.8900, 48.3650, 32.0850



110.2340, -1.9200, -31.2960



94.4580, -75.8280, -35.4760

Sweetspot

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



123.1890, -3.7650, 29.6990



211.0790, -1.2400, 11.4640



136.8020, -34.4330, 1.7830



104.9170, -0.9640, 6.4600



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

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



123.1890, -3.7650, 29.6990



146.5440, -5.6020, 46.4780



133.9530, 17.6910, 37.3310



82.2220, -0.5050, 3.6470



38.0730, -7.9890, 62.2110



6.5520, -1.1940, 10.6300

Inverse Universe

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



131.3870, 30.6680, 27.9160



159.2680, 47.7210, 43.7610



149.0470, -17.6910, -37.3310



83.2610, 3.7590, 3.4630



55.3230, 64.2240, 58.5600



9.3700, 11.0020, 9.8660

Previews

White Background



This preview shows how the YIQ color 123.1890, -3.7650, 29.6990 looks on a white background.

Color Contrast Check

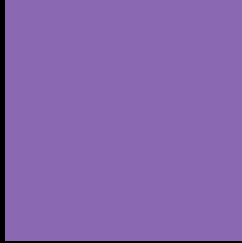
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 123.1890, -3.7650, 29.6990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

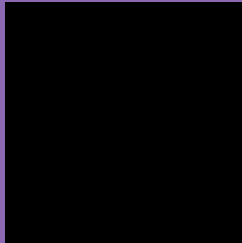
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 123.1890, -3.7650, 29.6990

Background



This preview shows how black text looks on a background with the YIQ color 123.1890, -3.7650, 29.6990.



This preview shows how white text looks on a background with the YIQ color 123.1890, -3.7650,

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

123.1890, -3.7650, 29.6990

Protanopia

118.6190, -37.6910, 16.7810

Deuteranopia

118.8060, -31.0880, 12.7520



Tritanopia

120.9130, 4.8590, 5.5550

Trichromacy



Original Color

123.1890, -3.7650, 29.6990

Protanomaly

120.0120, -25.4960, 21.5440

Deuteranomaly

120.4700, -21.0940, 18.8580

Tritanomaly

121.6280, 1.6480, 14.1920

Monochromacy



Original Color

123.1890, -3.7650, 29.6990

Achromatopsia

123.0000, -0.0000, -0.0000

Achromatomaly

122.6660, -1.5150, 10.9410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 123.1890, -3.7650, 29.6990 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(138, 105, 178)` looks like.

```
.text, #text, p{  
    color:rgb(138, 105, 178)  
}
```

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(138, 105, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 105, 178) }
```

Border

The CSS property to change the border of an element to YIQ 123.1890, -3.7650, 29.6990 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(138, 105, 178) }
```


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

```
.border{ border-color:rgb(138, 105, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 105, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 105, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 105, 178);  
box-shadow:4px 4px 4px 4px rgb(138, 105,  
178) }
```

Background

The CSS property to change the background color of an element to YIQ 123.1890, -3.7650, 29.6990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 105, 178) }
```

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

```
.background{ background-color: rgb(138,  
105, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor