

Converting Colors

YIQ(123.1860, 0.3170, 21.7970)

Have a look what the booklet for
YIQ(123.1860, 0.3170, 21.7970)
contains.

YIQ(123.1860, 0.3170, 21.7970)	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(123.1860, 0.3170,
21.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	896DA0
RGB	137, 109, 160
RGB Percent	54%, 43%, 63%
CMY	0.4626, 0.5726, 0.3726
CMYK	0.14, 0.32, 0.00, 0.37
HSL	273°, 21%, 53%
HSV	273°, 32%, 63%
XYZ	22.1323, 18.7930, 35.7141
YIQ	123.1860, 0.3170, 21.7970

Conversions

Conversions Part 2

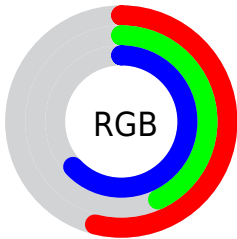
Format	Color
R _{YB}	137, 109, 160
Decimal	9006496
CIE _{Lab}	50.44, 21.21, -23.37
CIE _{LCh}	50, 31.562, 312.229
Yxy	18.7930, 0.2888, 0.2452
Android (android.graphics.Color)	4287196576 (0xFF896DA0)
YUV	123.1860, 18.1493, 12.1149
Hunter-Lab	43.3509, 15.2672, -18.4998

Details

The YIQ color **123.1860, 0.3170, 21.7970** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **145.8140, -0.3170, -21.7970**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.1260, 0.5460, 23.1540**, and **73.8330, -0.1870, 19.9170** is the 20% darker color. If you saturate the color by 10%, you get **111.7010, 0.5450, 28.6810**, and if you desaturate by 10%, it is **134.6710, 0.0890, 14.9130**.

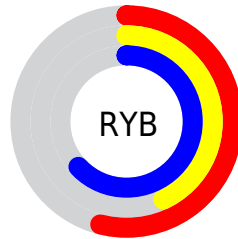
Distribution



Red (54%)

Green (43%)

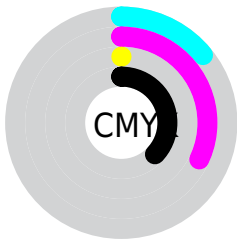
Blue (63%)



Red (54%)

Yellow (43%)

Blue (63%)

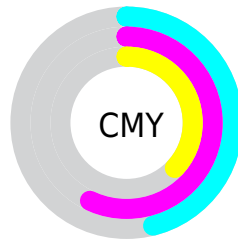


Cyan (14%)

Magenta (32%)

Yellow (0%)

Black (37%)



Cyan (46%)

Magenta (57%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 123.1860, 0.3170, 21.7970 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 123.1860, 0.3170, 21.7970 by changing the saturation by 10% instead.

■ 123.1860, 0.3170,
21.7970

■ 123.1860, 0.3170,
21.7970

■ 255.0000, -0.0000,
-0.0000

■ 97.7730, 0.0420,
21.2740

■ 176.1260, 0.5460,
23.1540

■ 73.8330, -0.1870,
19.9170

■ 203.5390, 0.8210,
23.6770

■ 51.0070, -0.7370,
18.8710

■ 230.0140, 6.5530,
18.9130

■ 29.0670, -0.9660,
17.5140

■ 248.5430, 3.0250,
5.7530

■ 11.0240, 0.5930,
16.7930

■ 2.4110, -5.4110,
4.4530

■ 0.0000, 0.0000,

0.0000

■ 123.1860, 0.3170,
21.7970

■ 123.1860, 0.3170,
21.7970

■ 111.7010, 0.5450,
28.6810

■ 134.6710, 0.0890,
14.9130

■ 100.2160, 0.7730,
35.5650

■ 146.1560, -0.1390,
8.0290

■ 88.4320, 0.4050,
42.2370

■ 157.9400, 0.2290,
1.3570

■ 76.9470, 0.6330,
49.1210

■ 169.4250, 0.0010,
-5.5270

■ 65.4620, 0.8610,
56.0050

■ 180.9100, -0.2270,
-12.4110

■ 53.9770, 1.0890,
62.8890

■ 192.3950, -0.4550,
-19.2950

■ 44.5520, 1.0880,
68.4160

■ 203.8800, -0.6830,
-26.1790

■ 215.6640, -0.3150,
-32.8510

■ 227.1490, -0.5430,
-39.7350

Harmonies

Analogous

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



118.7630, -29.5290, 12.0310



123.1860, 0.3170, 21.7970



123.3430, 24.8000, 24.1280

Triad

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



123.1860, 0.3170, 21.7970



119.3460, 36.7720, -5.6280



95.0870, -75.9210, -28.2810

Complementary

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



123.1860, 0.3170, 21.7970



145.8140, -0.3170, -21.7970

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.



108.3510, -32.6860, -24.3820



123.1860, 0.3170, 21.7970



117.2250, 20.6350, -16.0450

Square

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



123.1860, 0.3170, 21.7970



120.6710, 43.6470, 7.4470



113.7320, -3.0220, -22.3340



95.1540, -86.0550, -20.8310

Rectangle

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



123.1860, 0.3170, 21.7970



122.5090, 35.8960, 21.2720



113.7320, -3.0220, -22.3340



101.7210, -57.2150, -25.8790

Sweetspot

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



123.1860, 0.3170, 21.7970



193.9820, 0.4110, 9.0750



128.9020, -22.9710, 3.3090



95.5750, -0.0010, 5.5270



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.



123.1860, 0.3170, 21.7970



151.8630, 0.2690, 33.6850



129.8350, 14.6670, 26.0510



73.1080, -0.1840, 3.3360



39.6240, 0.5850, 61.0090



4.1020, -0.0470, 6.3610

Inverse Universe

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



126.8710, 23.0130, 17.9650



157.6110, 35.8490, 27.6330



139.1650, -14.6670, -26.0510



73.8480, 3.4840, 2.9400



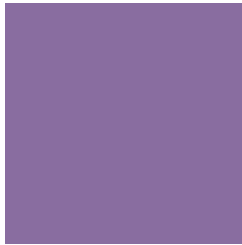
50.0530, 64.6840, 50.2200



5.2830, 6.6930, 5.3570

Previews

White Background



This preview shows how the YIQ color 123.1860, 0.3170, 21.7970 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 123.1860, 0.3170, 21.7970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

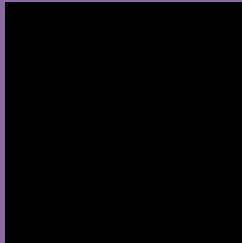
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 123.1860, 0.3170, 21.7970

Background



This preview shows how black text looks on a background with the YIQ color 123.1860, 0.3170, 21.7970.



This preview shows how white text looks on a background with the YIQ color 123.1860, 0.3170,

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

123.1860, 0.3170, 21.7970

Protanopia

120.2860, -23.7520, 11.9600

Deuteranopia

120.4670, -17.0120, 10.9560



Tritanopia

121.5110, 6.0510, 5.9790

Trichromacy



Original Color

123.1860, 0.3170, 21.7970

Protanomaly

121.1840, -14.5370, 15.6630

Deuteranomaly

121.5110, -11.1440, 14.7440

Tritanomaly

121.8300, 3.8950, 12.0150

Monochromacy



Original Color

123.1860, 0.3170, 21.7970

Achromatopsia

123.0000, -0.0000, -0.0000

Achromatomaly

123.0420, 0.1820, 7.7180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 123.1860, 0.3170, 21.7970 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(137, 109, 160)` looks like.

```
.text, #text, p{  
    color:rgb(137, 109, 160)  
}
```

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(137, 109, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 109, 160) }
```

Border

The CSS property to change the border of an element to YIQ 123.1860, 0.3170, 21.7970 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(137, 109, 160) }
```


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

```
.border{ border-color:rgb(137, 109, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 109, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 109, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 109, 160);  
box-shadow:4px 4px 4px 4px rgb(137, 109,  
160) }
```

Background

The CSS property to change the background color of an element to YIQ 123.1860, 0.3170, 21.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 109, 160) }
```

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

```
.background{ background-color: rgb(137,  
109, 160) }
```

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