

Converting Colors

YIQ(100.6950, 0.6820, 31.7060)

Have a look what the booklet for
YIQ(100.6950, 0.6820, 31.7060)
contains.

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Color

**YIQ(100.6950, 0.6820,
31.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	79509A
RGB	121, 80, 154
RGB Percent	47%, 31%, 60%
CMY	0.5253, 0.6863, 0.3961
CMYK	0.21, 0.48, 0.00, 0.40
HSL	273°, 32%, 46%
HSV	273°, 48%, 60%
XYZ	16.5893, 12.1351, 32.0337
YIQ	100.6950, 0.6820, 31.7060

Conversions

Conversions Part 2

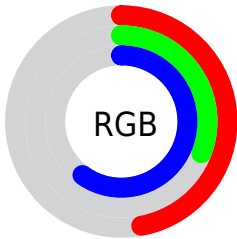
Format	Color
R_{YB}	121, 80, 154
Decimal	7950490
CIE _{Lab}	41.43, 31.88, -34.00
CIE _{LCh}	41, 46.611, 313.158
Yxy	12.1351, 0.2730, 0.1997
Android (android.graphics.Color)	4286140570 (0xFF79509A)
YUV	100.6950, 26.2794, 17.8075
Hunter-Lab	34.8354, 24.0431, -30.1367

Details

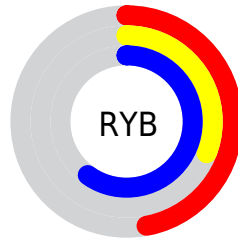
The YIQ color **100.6950, 0.6820, 31.7060** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **133.3050, -0.6820, -31.7060**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.4610, 1.4610, 34.1090**, and **51.9290, -0.0970, 29.3030** is the 20% darker color. If you saturate the color by 10%, you get **89.7970, 0.6350, 38.0670**, and if you desaturate by 10%, it is **111.5930, 0.7290, 25.3450**.

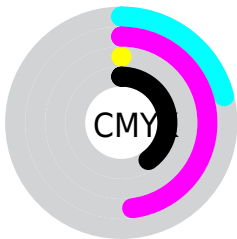
Distribution



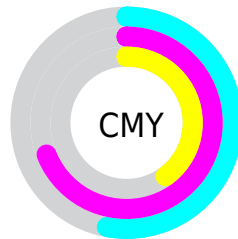
- Red (47%)
- Green (31%)
- Blue (60%)



- Red (47%)
- Yellow (31%)
- Blue (60%)



- Cyan (21%)
- Magenta (48%)
- Yellow (0%)
- Black (40%)



- Cyan (53%)
- Magenta (69%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 100.6950, 0.6820, 31.7060 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 100.6950, 0.6820, 31.7060 by changing the saturation by 10% instead.

■ 100.6950, 0.6820,
31.7060

■ 100.6950, 0.6820,
31.7060

255.0000, -0.0000,
-0.0000

■ 75.8690, 0.1320,
30.6600

■ 152.4610, 1.4610,
34.1090

■ 51.9290, -0.0970,
29.3030

■ 179.8740, 1.7360,
34.6320

■ 28.2170, -0.9680,
28.5680

■ 206.1470, 5.2210,
32.0450

■ 13.7450, -2.7550,
22.4050

■ 229.7590, 11.8250,
22.4890

■ 4.8220, -10.8220,
8.9060

■ 246.1950, 4.1250,
7.8450

■ 0.5700, -1.6050,
1.5550

■ 0.0000, 0.0000,

0.0000

■ 100.6950, 0.6820,
31.7060

■ 100.6950, 0.6820,
31.7060

■ 89.7970, 0.6350,
38.0670

■ 111.5930, 0.7290,
25.3450

■ 78.3120, 0.8630,
44.9510

■ 123.0780, 0.5010,
18.4610

■ 67.4140, 0.8160,
51.3120

■ 133.9760, 0.5480,
12.1000

■ 56.2280, 1.6400,
58.4080

■ 145.1620, -0.2760,
5.0040

■ 45.3300, 1.5930,
64.7690

■ 156.0600, -0.2290,
-1.3570

■ 42.9710, 1.2260,
65.9140

■ 166.9580, -0.1820,
-7.7180

■ 178.4430, -0.4100,
-14.6020

■ 189.3410, -0.3630,
-20.9630

■ 200.8260, -0.5910,
-27.8470

Harmonies

Analogous

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



91.3230, -51.5370, 14.4070



100.6950, 0.6820, 31.7060



98.0060, 36.5350, 37.2310

Triad

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



100.6950, 0.6820, 31.7060



94.0730, 50.4820, -11.8060



81.0880, -68.4940, -25.2140

Complementary

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



100.6950, 0.6820, 31.7060



133.3050, -0.6820, -31.7060

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.



75.3540, -55.1040, -36.6080



100.6950, 0.6820, 31.7060



90.6260, 29.2110, -28.3010

Square

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



100.6950, 0.6820, 31.7060



94.8640, 59.2810, 10.4570



86.2440, -7.8800, -33.4160



83.9040, -79.1790, -13.2830

Rectangle

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



100.6950, 0.6820, 31.7060



95.6840, 51.9410, 33.3570



86.2440, -7.8800, -33.4160



79.6060, -64.3210, -29.2570

Sweetspot

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



100.6950, 0.6820, 31.7060



180.9760, 0.5480, 12.1000



107.8070, -32.8290, 5.7550



89.6290, -0.0930, 7.1950



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



100.6950, 0.6820, 31.7060



117.3600, 0.9080, 49.6440



110.1060, 21.6340, 37.4580



71.1080, -0.1840, 3.3360



39.2820, 1.5480, 60.0760



3.5750, -0.0010, 5.5270

Inverse Universe

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



105.8880, 33.5110, 25.9510



125.6120, 52.4440, 40.7640



123.8940, -21.6340, -37.4580



71.7340, 3.8050, 2.6290



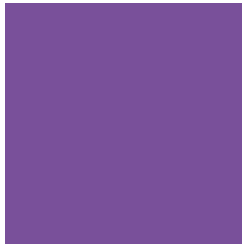
48.9280, 63.5380, 48.9620



4.5710, 5.8220, 4.6220

Previews

White Background



This preview shows how the YIQ color 100.6950, 0.6820, 31.7060 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 100.6950, 0.6820, 31.7060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

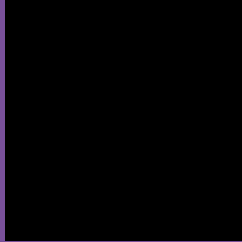
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 100.6950, 0.6820, 31.7060

Background



This preview shows how black text looks on a background with the YIQ color 100.6950, 0.6820, 31.7060.



This preview shows how white text looks on a background with the YIQ color 100.6950, 0.6820,

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

100.6950, 0.6820, 31.7060

Protanopia

95.2380, -40.9920, 16.0320

Deuteranopia

96.1540, -32.1880, 10.6600



Tritanopia

99.4790, 9.0770, 6.2050

Trichromacy



Original Color

100.6950, 0.6820, 31.7060

Protanomaly

97.1260, -25.8170, 21.8550

Deuteranomaly

97.5410, -19.8560, 18.4480

Tritanomaly

99.7210, 5.8200, 15.6760

Monochromacy



Original Color

100.6950, 0.6820, 31.7060

Achromatopsia

101.0000, -0.0000, 0.0000

Achromatomaly

100.5630, 0.2730, 11.5770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 100.6950, 0.6820, 31.7060 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(121, 80, 154)` looks like.

```
.text, #text, p{  
    color:rgb(121, 80, 154)  
}
```

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(121, 80, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 80, 154) }
```

Border

The CSS property to change the border of an element to YIQ 100.6950, 0.6820, 31.7060 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(121, 80, 154) }
```


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

```
.border{ border-color:rgb(121, 80, 154) }
```

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

Here you see how a box with a 4 pixel rgb(121, 80, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 80, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 80, 154);  
box-shadow:4px 4px 4px 4px rgb(121, 80,  
154) }
```

Background

The CSS property to change the background color of an element to YIQ 100.6950, 0.6820, 31.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 80, 154) }
```

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

```
.background{ background-color: rgb(121, 80,  
154) }
```

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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