

Converting Colors

YIQ(63.6810, 22.7740, 71.8780)

Have a look what the booklet for
YIQ(63.6810, 22.7740, 71.8780)
contains.

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Color

**YIQ(63.6810, 22.7740,
71.8780)**

Conversions

Conversions Part 1

Format	Color
Hex	820BA1
RGB	130, 11, 161
RGB Percent	51%, 4%, 63%
CMY	0.4898, 0.9570, 0.3687
CMYK	0.19, 0.93, 0.00, 0.37
HSL	288°, 87%, 34%
HSV	288°, 93%, 63%
XYZ	15.7722, 7.5646, 34.3440
YIQ	63.6810, 22.7740, 71.8780

Conversions

Conversions Part 2

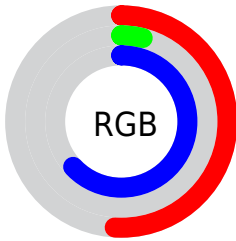
Format	Color
RYB	130, 11, 161
Decimal	8522657
CIELab	33.06, 63.30, -51.56
CIElCh	33, 81.639, 320.837
Yxy	7.5646, 0.2734, 0.1311
Android (android.graphics.Color)	4286712737 (0xFF820BA1)
YUV	63.6810, 47.9783, 58.1618
Hunter-Lab	27.5038, 54.2300, -54.7827

Details

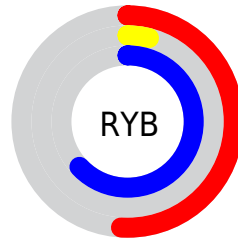
The YIQ color **63.6810, 22.7740, 71.8780** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **108.3190, -22.7740, -71.8780**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **127.0240, 20.0700, 65.8140**, and **34.7370, 10.0320, 49.4880** is the 20% darker color. If you saturate the color by 10%, you get **56.6260, 24.6070, 77.2070**, and if you desaturate by 10%, it is **73.9700, 20.1620, 64.1460**.

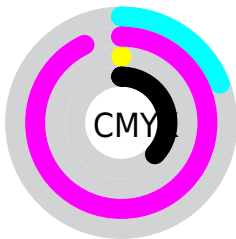
Distribution



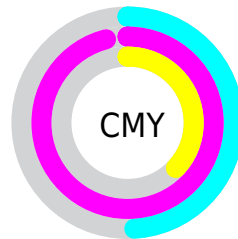
- Red (51%)
- Green (4%)
- Blue (63%)



- Red (51%)
- Yellow (4%)
- Blue (63%)



- Cyan (19%)
- Magenta (93%)
- Yellow (0%)
- Black (37%)



- Cyan (49%)
- Magenta (96%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.6810, 22.7740, 71.8780 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 63.6810, 22.7740, 71.8780 by changing the saturation by 10% instead.

63.6810, 22.7740,
71.8780

63.6810, 22.7740,
71.8780

255.0000, -0.0000,
-0.0000

45.7740, 17.7780,
63.2980

127.0240, 20.0700,
65.8140

34.7370, 10.0320,
49.4880

154.7360, 20.9410,
66.5490

23.8140, 1.9650,
35.9890

181.2820, 27.9110,
61.3750

12.1080, -8.2110,
22.1650

200.4090, 25.5750,
48.6390

5.2780, -12.1060,
10.1500

217.4320, 17.6000,
33.4720

1.3680, -3.8520,
3.7320

234.4550, 9.6250,

0.0000, 0.0000,

18.3050

0.0000

251.4780, 1.6500,
3.1380

63.6810, 22.7740,
71.8780

63.6810, 22.7740,
71.8780

56.6260, 24.6070,
77.2070

73.9700, 20.1620,
64.1460

84.5580, 18.1460,
56.6260

94.8470, 15.5340,
48.8940

105.1360, 12.9220,
41.1620

115.7240, 10.9060,
33.6420

■ 126.6000, 8.0190,
25.3870

■ 136.8890, 5.4070,
17.6550

■ 147.4770, 3.3910,
10.1350

■ 157.7660, 0.7790,
2.4030

Harmonies

Analogous

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



64.7050, -84.3670, 25.6890



63.6810, 22.7740, 71.8780



64.1380, 72.4750, 68.7230

Triad

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



63.6810, 22.7740, 71.8780



73.4040, 48.0520, -11.8200



73.8960, -67.5330, -15.0930

Complementary

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



63.6810, 22.7740, 71.8780



108.3190, -22.7740, -71.8780

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.



64.9700, -45.1550, -35.1950



63.6810, 22.7740, 71.8780



66.9050, 6.1960, -35.2120

Square

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



63.6810, 22.7740, 71.8780



59.5580, 86.9260, 21.5660



56.3520, -26.4000, -50.2080



79.6930, -85.2340, 2.8460

Rectangle

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



63.6810, 22.7740, 71.8780



61.3290, 90.4500, 56.8340



56.3520, -26.4000, -50.2080



70.8010, -60.1960, -21.4120

Sweetspot

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



63.6810, 22.7740, 71.8780



171.3660, 8.7980, 27.7900



46.8840, -56.9500, 29.9140



81.4760, 5.1320, 17.1320



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.



63.6810, 22.7740, 71.8780



73.4600, 31.8470, 100.1910



68.0480, 55.0530, 65.0770



76.1190, 1.2830, 4.2830



50.9150, 21.9950, 69.4750



6.2380, 2.5660, 8.5660

Inverse Universe

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



59.3840, 79.4490, 41.4410



67.3930, 110.7610, 57.6810



103.8380, -54.7320, -65.3880



75.9190, 4.7220, 2.5300



46.7750, 76.7900, 40.0700



5.8380, 9.4440, 5.0600

Previews

White Background



This preview shows how the YIQ color 63.6810, 22.7740, 71.8780 looks on a white background.

Color Contrast Check

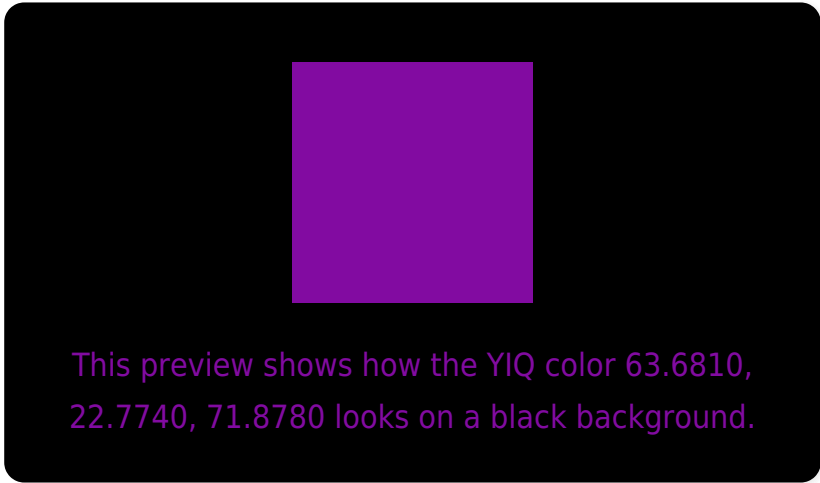
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

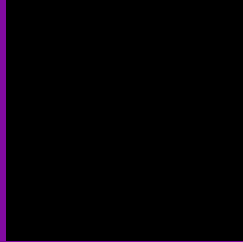
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.6810, 22.7740, 71.8780

Background



This preview shows how black text looks on a background with the YIQ color 63.6810, 22.7740, 71.8780.



This preview shows how white text looks on a background with the YIQ color 63.6810, 22.7740,

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

63.6810, 22.7740, 71.8780

Protanopia

63.6670, -73.1770, 10.1110

Deuteranopia

63.7350, -67.8570, 1.7990



Tritanopia

80.3030, 30.3040, 12.4800

Trichromacy



Original Color

63.6810, 22.7740, 71.8780

Protanomaly

63.6320, -38.5650, 32.6270

Deuteranomaly

63.9110, -35.2170, 27.0150

Tritanomaly

74.5210, 27.5950, 34.0510

Monochromacy



Original Color

63.6810, 22.7740, 71.8780

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

64.0130, 8.2940, 25.9100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.6810, 22.7740, 71.8780 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(130, 11, 161)` looks like.

```
.text, #text, p{  
    color:rgb(130, 11, 161)  
}
```

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(130, 11, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 11, 161) }
```

Border

The CSS property to change the border of an element to YIQ 63.6810, 22.7740, 71.8780 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(130, 11, 161) }
```


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

```
.border{ border-color:rgb(130, 11, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 11, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 11, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 11, 161);  
box-shadow:4px 4px 4px 4px rgb(130, 11,  
161) }
```

Background

The CSS property to change the background color of an element to YIQ 63.6810, 22.7740, 71.8780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 11, 161) }
```

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

```
.background{ background-color: rgb(130, 11,  
161) }
```

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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