

Converting Colors

YIQ(71.8680, 13.3230, 105.5070)

Have a look what the booklet for
YIQ(71.8680, 13.3230, 105.5070)
contains.

YIQ(71.8680, 13.3230, 105.5070)	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(71.8680, 13.3230,
105.5070)**

Conversions

Conversions Part 1

Format	Color
Hex	9600ED
RGB	150, 0, 237
RGB Percent	59%, 0%, 93%
CMY	0.4112, 1.0000, 0.0707
CMYK	0.37, 1.00, 0.00, 0.07
HSL	278°, 100%, 46%
HSV	278°, 100%, 93%
XYZ	27.8826, 12.6087, 81.0594
YIQ	71.8680, 13.3230, 105.5070

Conversions

Conversions Part 2

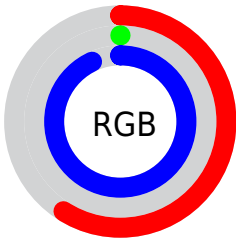
Format	Color
RYB	150, 0, 237
Decimal	9830637
CIELab	42.17, 81.50, -80.97
CIELCh	42, 114.891, 315.187
Yxy	12.6087, 0.2294, 0.1037
Android (android.graphics.Color)	4288020717 (0xFF9600ED)
YUV	71.8680, 81.4101, 68.5218
Hunter-Lab	35.5088, 78.0233, -110.4911

Details

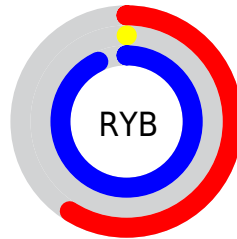
The YIQ color **71.8680, 13.3230, 105.5070** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **165.1320, -13.3230, -105.5070**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.0540, 20.5260, 79.5820**, and **46.8320, -5.3320, 74.6360** is the 20% darker color. If you saturate the color by 10%, you get **71.8680, 13.3230, 105.5070**, and if you desaturate by 10%, it is **88.6470, 12.0870, 94.8630**.

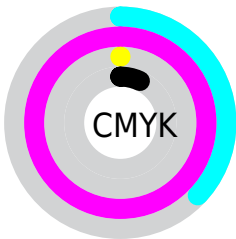
Distribution



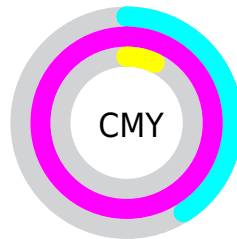
- Red (59%)
- Green (0%)
- Blue (93%)



- Red (59%)
- Yellow (0%)
- Blue (93%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (41%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.8680, 13.3230, 105.5070 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 71.8680, 13.3230, 105.5070 by changing the saturation by 10% instead.

71.8680, 13.3230,
105.5070

71.8680, 13.3230,
105.5070

255.0000, -0.0000,
-0.0000

59.2930, 4.1560,
89.9160

142.0540, 20.5260,
79.5820

46.8320, -5.3320,
74.6360

168.9330, 30.7520,
70.4640

33.4740, -16.6080,
58.7200

189.8430, 30.5250,
58.0530

15.1470, -38.3370,
39.5110

206.8660, 22.5500,
42.8860

11.2860, -31.7790,
30.7890

223.8890, 14.5750,
27.7190

11.3710, -25.1290,
20.3990

241.4990, 6.3250,

8.0480, -17.1500,

12.0290

13.4580

■ 4.3660, -9.5380,
7.6620

■ 0.0000, 0.0000,
0.0000

■ 71.8680, 13.3230,
105.5070

■ 88.6470, 12.0870,
94.8630

■ 104.5400, 10.5300,
84.5300

■ 121.3190, 9.2940,
73.8860

■ 138.0980, 8.0580,
63.2420

■ 154.2900, 7.0970,
53.1210

■ 170.7700, 5.2650,
42.2650

■ 187.5490, 4.0290,
31.6210

■ 204.3280, 2.7930,
20.9770

■ 220.2210, 1.2360,
10.6440

Harmonies

Analogous

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



87.7700, -109.3550, 27.0050



71.8680, 13.3230, 105.5070



87.1800, 90.9930, 96.5690

Triad

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



71.8680, 13.3230, 105.5070



92.7400, 73.5890, -6.5630



94.3560, -83.8080, -23.0080

Complementary

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



71.8680, 13.3230, 105.5070



165.1320, -13.3230, -105.5070

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.



80.8530, -49.9200, -53.4720



71.8680, 13.3230, 105.5070



86.9950, 14.4500, -41.6300

Square

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



71.8680, 13.3230, 105.5070



65.4810, 130.5240, 46.4280



72.7880, -34.1000, -64.8520



104.9750, -112.3310, 3.8370

Rectangle

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



71.8680, 13.3230, 105.5070



84.8960, 120.4310, 80.6790



72.7880, -34.1000, -64.8520



90.0070, -72.9400, -32.7480

Sweetspot

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



71.8680, 13.3230, 105.5070



202.0160, 4.2120, 33.8120



78.0870, -100.0020, 28.2060



95.9150, 2.5180, 20.4540



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



71.8680, 13.3230, 105.5070



77.5080, 14.6970, 113.6490



94.2330, 75.4470, 113.9990



109.3470, 0.6410, 4.9050



55.0190, 10.4390, 80.6710



16.3220, 2.9300, 24.0020

Inverse Universe

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



80.7810, 113.3250, 77.3010



86.8470, 122.1270, 82.9830



142.7670, -75.4470, -113.9990



109.7450, 5.2720, 3.5760



61.6430, 86.6900, 58.8980



18.4260, 25.7640, 17.6680

Previews

White Background



This preview shows how the YIQ color 71.8680, 13.3230, 105.5070 looks on a white background.

Color Contrast Check

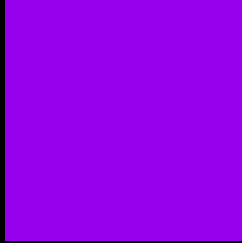
Large Text (above 18pt) WCAG AA ✓ Pass

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 71.8680, 13.3230, 105.5070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

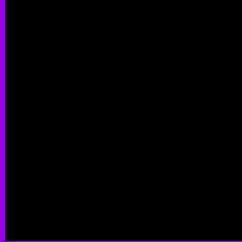
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.8680, 13.3230, 105.5070

Background



This preview shows how black text looks on a background with the YIQ color 71.8680, 13.3230, 105.5070.



This preview shows how white text looks on a background with the YIQ color 71.8680, 13.3230,

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

71.8680, 13.3230, 105.5070

Protanopia

80.8960, -92.7550, 12.5010

Deuteranopia

81.2260, -85.4170, 0.6550



Tritanopia

102.7680, 15.6330, 8.5370

Trichromacy



Original Color

71.8680, 13.3230, 105.5070



Protanomaly

77.5770, -53.9270, 46.7210



Deuteranomaly

77.8730, -49.2490, 39.0310



Tritanomaly

91.5000, 14.8930, 43.9890

Monochromacy



Original Color

71.8680, 13.3230, 105.5070



Achromatopsia

72.0000, -0.0000, 0.0000



Achromatomaly

71.9500, 4.5780, 38.1940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.8680, 13.3230, 105.5070 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(150, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 237)  
}
```

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(150, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 237) }
```

Border

The CSS property to change the border of an element to YIQ 71.8680, 13.3230, 105.5070 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(150, 0, 237) }
```


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

```
.border{ border-color:rgb(150, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 71.8680, 13.3230, 105.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 237) }
```

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

```
.background{ background-color: rgb(150, 0,  
237) }
```

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