

Converting Colors

YIQ(71.0120, 21.4850, 100.7570)

Have a look what the booklet for
YIQ(71.0120, 21.4850, 100.7570)
contains.

YIQ(71.0120, 21.4850, 100.7570)	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(71.0120, 21.4850,
100.7570)**

Conversions

Conversions Part 1

Format	Color
Hex	9A00DB
RGB	154, 0, 219
RGB Percent	60%, 0%, 86%
CMY	0.3956, 1.0000, 0.1413
CMYK	0.30, 1.00, 0.00, 0.14
HSL	282°, 100%, 43%
HSV	282°, 100%, 86%
XYZ	26.1342, 11.9960, 67.9410
YIQ	71.0120, 21.4850, 100.7570

Conversions

Conversions Part 2

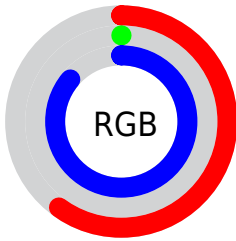
Format	Color
R_{YB}	154, 0, 219
Decimal	10092763
CIE _{Lab}	41.21, 78.54, -72.27
CIE _{LCh}	41, 106.728, 317.381
Yxy	11.9960, 0.2464, 0.1131
Android (android.graphics.Color)	4288282843 (0xFF9A00DB)
YUV	71.0120, 72.9581, 72.7805
Hunter-Lab	34.6352, 74.0768, -92.0598

Details

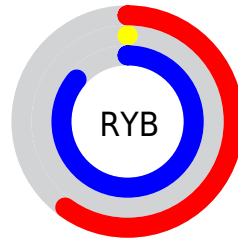
The YIQ color **71.0120, 21.4850, 100.7570** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **147.9880, -21.4850, -100.7570**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.3640, 22.5890, 80.7410**, and **46.6880, 3.7010, 70.6210** is the 20% darker color. If you saturate the color by 10%, you get **71.0120, 21.4850, 100.7570**, and if you desaturate by 10%, it is **86.0190, 19.6070, 90.7350**.

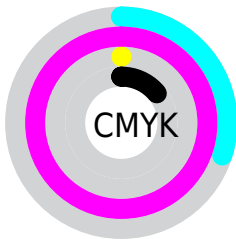
Distribution



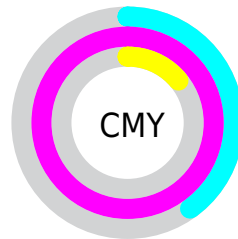
- Red (60%)
- Green (0%)
- Blue (86%)



- Red (60%)
- Yellow (0%)
- Blue (86%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.0120, 21.4850, 100.7570 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 71.0120, 21.4850, 100.7570 by changing the saturation by 10% instead.

71.0120, 21.4850,
100.7570

71.0120, 21.4850,
100.7570

255.0000, -0.0000,
-0.0000

58.7360, 12.9140,
85.3780

142.3640, 22.5890,
80.7410

46.6880, 3.7010,
70.6210

169.2430, 32.8150,
71.6230

34.2270, -5.7870,
55.3410

189.2560, 30.8000,
58.5760

21.6950, -16.5130,
40.4710

206.2790, 22.8250,
43.4090

9.5760, -26.9640,
26.1240

223.3020, 14.8500,
28.2420

10.2480, -20.5890,
15.2110

240.9120, 6.6000,

5.3920, -12.4270,

12.5520

10.4610

■ 2.0690, -4.4480,
3.5200

■ 0.0000, 0.0000,
0.0000

■ 71.0120, 21.4850,
100.7570

■ 86.0190, 19.6070,
90.7350

■ 100.7270, 17.1330,
80.5010

■ 115.7340, 15.2550,
70.4790

■ 130.4420, 12.7810,
60.2450

■ 144.8620, 11.1780,
50.7460

■ 159.5700, 8.7040,
40.5120

■ 174.5770, 6.8260,
30.4900

■ 189.2850, 4.3520,
20.2560

■ 203.9930, 1.8780,
10.0220

Harmonies

Analogous

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



84.2480, -107.7050, 30.1430



71.0120, 21.4850, 100.7570



83.0070, 89.8020, 90.6180

Triad

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



71.0120, 21.4850, 100.7570



91.5110, 66.8040, -10.2520



92.0080, -82.7080, -20.9160

Complementary

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



71.0120, 21.4850, 100.7570



147.9880, -21.4850, -100.7570

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.



79.6450, -52.0300, -48.2700



71.0120, 21.4850, 100.7570



84.6140, 11.1490, -42.3790

Square

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



71.0120, 21.4850, 100.7570



61.5940, 122.7760, 43.6720



71.0270, -33.2750, -63.2830



101.1280, -108.3880, 3.9640

Rectangle

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



71.0120, 21.4850, 100.7570



80.3960, 115.8470, 75.6470



71.0270, -33.2750, -63.2830



88.0010, -72.8030, -29.7230

Sweetspot

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



71.0120, 21.4850, 100.7570



203.5110, 7.1920, 34.8720



63.7080, -88.4490, 33.5910



96.8120, 4.3060, 21.0900



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.



71.0120, 21.4850, 100.7570



82.5910, 24.8290, 117.2530



85.4310, 74.3490, 100.8530



102.3470, 0.6410, 4.9050



56.2000, 17.1790, 79.6670



14.8120, 4.3060, 21.0900

Inverse Universe

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



72.8910, 109.6590, 66.6430



84.9090, 127.5840, 77.6960



133.5690, -74.3490, -100.8530



102.6310, 5.5930, 3.2650



57.5410, 86.7370, 52.5370



15.3500, 22.9220, 14.1060

Previews

White Background



This preview shows how the YIQ color 71.0120, 21.4850, 100.7570 looks on a white background.

Color Contrast Check

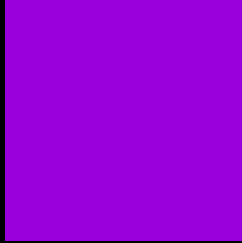
Large Text (above 18pt) WCAG AA ✓ Pass

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 71.0120, 21.4850, 100.7570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

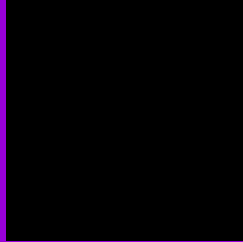
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.0120, 21.4850, 100.7570

Background



This preview shows how black text looks on a background with the YIQ color 71.0120, 21.4850, 100.7570.



This preview shows how white text looks on a background with the YIQ color 71.0120, 21.4850,

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

71.0120, 21.4850, 100.7570

Protanopia

79.2660, -90.9210, 12.3030

Deuteranopia

79.8240, -84.2250, 1.0790



Tritanopia

100.7370, 26.0860, 11.8300

Trichromacy



Original Color

71.0120, 21.4850, 100.7570

Protanomaly

76.2630, -50.1670, 44.6570

Deuteranomaly

76.6730, -45.8100, 37.2780

Tritanomaly

90.1760, 24.6130, 44.0450

Monochromacy



Original Color

71.0120, 21.4850, 100.7570

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

70.8640, 7.6960, 36.7520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.0120, 21.4850, 100.7570 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(154, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 219)  
}
```

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(154, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 219) }
```

Border

The CSS property to change the border of an element to YIQ 71.0120, 21.4850, 100.7570 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(154, 0, 219) }
```


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

```
.border{ border-color:rgb(154, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(154, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
219) }
```

Background

The CSS property to change the background color of an element to YIQ 71.0120, 21.4850, 100.7570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 219) }
```

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

```
.background{ background-color: rgb(154, 0,  
219) }
```

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