

Converting Colors

YIQ(84.1750, 44.6900, 71.1700)

Have a look what the booklet for
YIQ(84.1750, 44.6900, 71.1700)
contains.

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Color

**YIQ(84.1750, 44.6900,
71.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	AB1A9C
RGB	171, 26, 156
RGB Percent	67%, 10%, 61%
CMY	0.3290, 0.8982, 0.3882
CMYK	0.00, 0.85, 0.09, 0.33
HSL	306°, 74%, 39%
HSV	306°, 85%, 67%
XYZ	23.1887, 11.8072, 32.5180
YIQ	84.1750, 44.6900, 71.1700

Conversions

Conversions Part 2

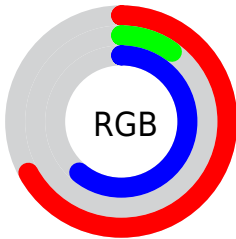
Format	Color
R_{YB}	171, 26, 156
Decimal	11213468
CIE _{Lab}	40.91, 67.13, -35.57
CIE _{LCh}	41, 75.975, 332.085
Yxy	11.8072, 0.3435, 0.1749
Android (android.graphics.Color)	4289403548 (0xFFAB1A9C)
YUV	84.1750, 35.4097, 76.1455
Hunter-Lab	34.3616, 60.3268, -32.0558

Details

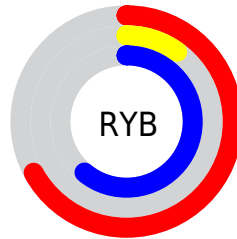
The YIQ color **84.1750, 44.6900, 71.1700** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **112.8250, -44.6900, -71.1700**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.8280, 44.0490, 66.2650**, and **45.9420, 34.5600, 56.5120** is the 20% darker color. If you saturate the color by 10%, you get **73.9680, 50.0070, 79.4390**, and if you desaturate by 10%, it is **94.3820, 39.3730, 62.9010**.

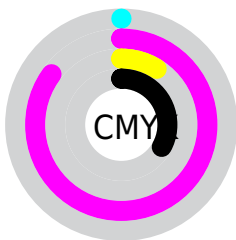
Distribution



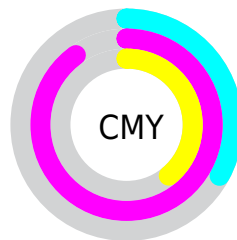
- Red (67%)
- Green (10%)
- Blue (61%)



- Red (67%)
- Yellow (10%)
- Blue (61%)



- Cyan (0%)
- Magenta (85%)
- Yellow (9%)
- Black (33%)



- Cyan (33%)
- Magenta (90%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.1750, 44.6900, 71.1700 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 84.1750, 44.6900, 71.1700 by changing the saturation by 10% instead.

■ 84.1750, 44.6900,
71.1700

■ 84.1750, 44.6900,
71.1700

■ 255.0000, -0.0000,
-0.0000

■ 57.2780, 42.9020,
70.5340

■ 146.8280, 44.0490,
66.2650

■ 45.9420, 34.5600,
56.5120

■ 174.6320, 41.6650,
65.4170

■ 35.1330, 26.1720,
43.3240

■ 192.7780, 29.1500,
55.4380

■ 24.9220, 18.9760,
30.5600

■ 209.8010, 21.1750,
40.2710

■ 13.7430, 8.7540,
17.5700

■ 226.8240, 13.2000,
25.1040

■ 0.6840, -1.9260,
1.8660

■ 243.8470, 5.2250,

■ 0.0000, 0.0000,

9.9370

0.0000

■ 84.1750, 44.6900,
71.1700

■ 84.1750, 44.6900,
71.1700

■ 73.9680, 50.0070,
79.4390

■ 94.3820, 39.3730,
62.9010

■ 68.5710, 52.8030,
83.8350

■ 104.5890, 34.0560,
54.6320

■ 114.6820, 29.0600,
46.0520

■ 124.8890, 23.7430,
37.7830

■ 135.6830, 18.1510,
28.9910

■ 145.8900, 12.8340,
20.7220

■ 155.9830, 7.8380,
12.1420

■ 166.1900, 2.5210,
3.8730

■ 176.3970, -2.7960,
-4.3960

Harmonies

Analogous

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



95.3650, -33.0190, 42.2530



84.1750, 44.6900, 71.1700



70.6300, 88.7050, 71.9450

Triad

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



84.1750, 44.6900, 71.1700



90.7370, 42.1400, -25.8280



89.4950, -85.2770, -12.9010

Complementary

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



84.1750, 44.6900, 71.1700



112.8250, -44.6900, -71.1700

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.



82.3130, -65.0540, -32.4940



84.1750, 44.6900, 71.1700



79.2100, -2.5130, -48.0890

Square

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



84.1750, 44.6900, 71.1700



88.3540, 77.8520, -1.2200



72.8000, -42.4010, -52.0730



92.3910, -98.9430, 3.4970

Rectangle

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



84.1750, 44.6900, 71.1700



65.7710, 100.9490, 59.2930



72.8000, -42.4010, -52.0730



87.8020, -79.1320, -19.6440

Sweetspot

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



84.1750, 44.6900, 71.1700



188.4440, 17.3260, 27.4220



46.7160, -38.2010, 48.0630



92.2870, 10.0380, 16.3260



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



84.1750, 44.6900, 71.1700



89.0640, 68.4330, 108.9530



75.9670, 67.8020, 48.7780



81.6030, 2.7960, 4.3960



60.2400, 46.0650, 73.7850



9.2710, 6.9670, 11.4070

Inverse Universe

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



84.1750, 44.6900, 71.1700



89.0640, 68.4330, 108.9530



121.0330, -67.8020, -48.7780



81.6030, 2.7960, 4.3960



60.2400, 46.0650, 73.7850



9.2710, 6.9670, 11.4070

Previews

White Background



This preview shows how the YIQ color 84.1750, 44.6900, 71.1700 looks on a white background.

Color Contrast Check

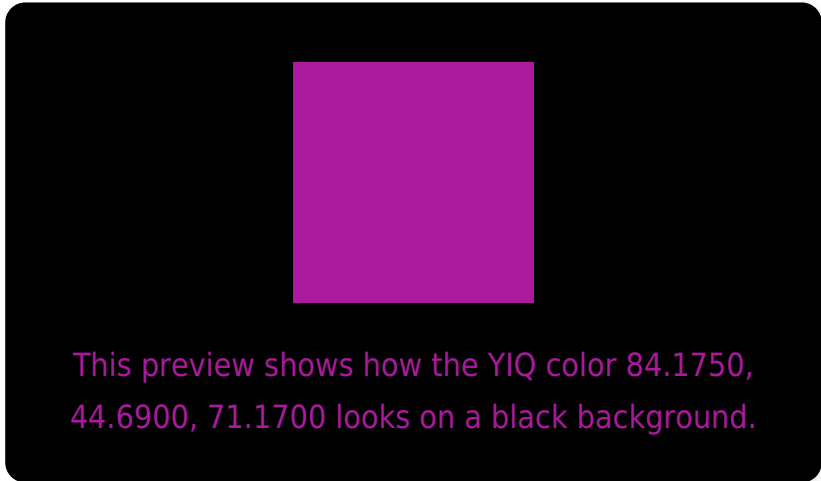
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

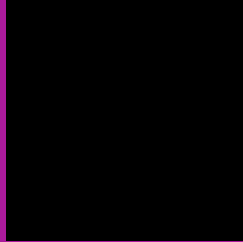
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.1750, 44.6900, 71.1700

Background



This preview shows how black text looks on a background with the YIQ color 84.1750, 44.6900, 71.1700.



This preview shows how white text looks on a background with the YIQ color 84.1750, 44.6900,

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

84.1750, 44.6900, 71.1700

Protanopia

77.9780, -90.0500, 13.0380

Deuteranopia

96.1220, -29.1620, 10.8860



Tritanopia

94.7580, 57.1240, 22.0200

Trichromacy



Original Color

84.1750, 44.6900, 71.1700



Protanomaly

80.0170, -41.0870, 34.2810



Deuteranomaly

91.6670, -2.1150, 32.8370



Tritanomaly

91.0850, 52.4900, 39.9300

Monochromacy



Original Color

84.1750, 44.6900, 71.1700



Achromatopsia

84.0000, -0.0000, -0.0000



Achromatomaly

84.2050, 16.5010, 25.8530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.1750, 44.6900, 71.1700 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(171, 26, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 26, 156)  
}
```

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(171, 26, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 26, 156) }
```

Border

The CSS property to change the border of an element to YIQ 84.1750, 44.6900, 71.1700 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(171, 26, 156) }
```


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

```
.border{ border-color:rgb(171, 26, 156) }
```

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

Here you see how a box with a 4 pixel rgb(171, 26, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 26, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 26, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 26,  
156) }
```

Background

The CSS property to change the background color of an element to YIQ 84.1750, 44.6900, 71.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 26, 156) }
```

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

```
.background{ background-color: rgb(171, 26,  
156) }
```

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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