

Converting Colors

YIQ(89.9700, 21.3030, 93.0390)

Have a look what the booklet for
YIQ(89.9700, 21.3030, 93.0390)
contains.

YIQ(89.9700, 21.3030, 93.0390)	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(89.9700, 21.3030,
93.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	A818E1
RGB	168, 24, 225
RGB Percent	66%, 9%, 88%
CMY	0.3407, 0.9061, 0.1177
CMYK	0.25, 0.89, 0.00, 0.12
HSL	283°, 81%, 49%
HSV	283°, 89%, 88%
XYZ	30.0874, 14.4240, 72.4195
YIQ	89.9700, 21.3030, 93.0390

Conversions

Conversions Part 2

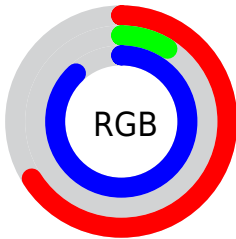
Format	Color
R_{YB}	168, 24, 225
Decimal	11016417
CIE _{Lab}	44.83, 78.54, -69.69
CIE _{LCh}	45, 105.005, 318.417
Yxy	14.4240, 0.2573, 0.1234
Android (android.graphics.Color)	4289206497 (0xFFA818E1)
YUV	89.9700, 66.5698, 68.4323
Hunter-Lab	37.9789, 74.9469, -86.4710

Details

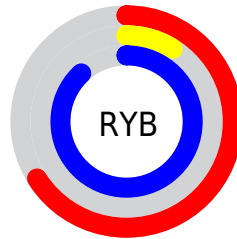
The YIQ color **89.9700, 21.3030, 93.0390** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **159.0300, -21.3030, -93.0390**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.4200, 28.1830, 78.4790**, and **51.7430, 11.0360, 75.3560** is the 20% darker color. If you saturate the color by 10%, you get **74.6750, 24.0520, 103.7960**, and if you desaturate by 10%, it is **104.6780, 18.8290, 82.8050**.

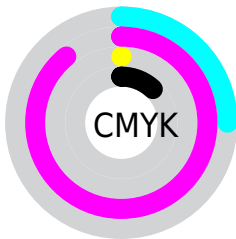
Distribution



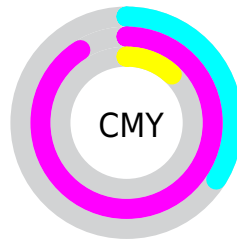
- Red (66%)
- Green (9%)
- Blue (88%)



- Red (66%)
- Yellow (9%)
- Blue (88%)



- Cyan (25%)
- Magenta (89%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (91%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.9700, 21.3030, 93.0390 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 89.9700, 21.3030, 93.0390 by changing the saturation by 10% instead.

89.9700, 21.3030,
93.0390

89.9700, 21.3030,
93.0390

255.0000, -0.0000,
-0.0000

63.6060, 19.3320,
90.2120

152.4200, 28.1830,
78.4790

51.7430, 11.0360,
75.3560

178.1030, 36.0250,
68.5130

39.6950, 1.8230,
60.5990

195.1260, 28.0500,
53.3460

27.4620, -8.3070,
45.9410

212.1490, 20.0750,
38.1790

11.6410, -25.5890,
28.7390

229.7590, 11.8250,
22.4890

7.2960, -20.5440,
19.9040

246.7820, 3.8500,

6.4350, -13.9860,

7.3220

11.1820

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,
0.0000

■ 89.9700, 21.3030,
93.0390

■ 89.9700, 21.3030,
93.0390

■ 74.6750, 24.0520,
103.7960

■ 104.6780, 18.8290,
82.8050

■ 73.7890, 23.7310,
104.1070

■ 120.2720, 16.6760,
72.2600

■ 134.9800, 14.2020,
62.0260

■ 150.5740, 12.0490,
51.4810

■ 165.2820, 9.5750,
41.2470

■ 180.5770, 6.8260,
30.4900

■ 195.5840, 4.9480,
20.4680

■ 210.8790, 2.1990,
9.7110

■ 225.5870, -0.2750,
-0.5230

Harmonies

Analogous

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



88.3570, -109.6300, 26.4820



89.9700, 21.3030, 93.0390



86.9800, 94.4320, 94.8160

Triad

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



89.9700, 21.3030, 93.0390



99.7730, 68.8220, -13.7860



99.2460, -89.3100, -22.4140

Complementary

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



89.9700, 21.3030, 93.0390



159.0300, -21.3030, -93.0390

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.



86.8830, -58.6320, -49.7680



89.9700, 21.3030, 93.0390



92.2890, 13.4420, -45.3900

Square

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



89.9700, 21.3030, 93.0390



66.6330, 127.0400, 43.4880



76.8970, -36.0250, -68.5130



108.2520, -114.6690, 2.1550

Rectangle

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



89.9700, 21.3030, 93.0390



84.0700, 119.8810, 79.6330



76.8970, -36.0250, -68.5130



95.2390, -79.4050, -31.2210

Sweetspot

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



89.9700, 21.3030, 93.0390



208.8160, 7.6510, 32.0590



80.3730, -80.1960, 32.7000



100.3450, 4.1230, 18.8990



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.



89.9700, 21.3030, 93.0390



83.7870, 27.2130, 118.1010



101.9970, 69.3990, 91.4390



104.6460, 1.2370, 5.1170



57.7380, 18.6000, 81.4480



15.9370, 5.4520, 22.3480

Inverse Universe

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



90.5970, 101.4990, 60.3390



84.4530, 128.8680, 76.4520



147.0030, -69.3990, -91.4390



104.6310, 5.5930, 3.2650



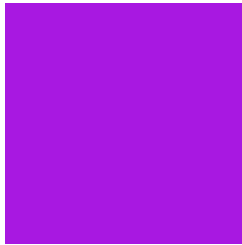
58.3240, 88.8460, 52.8620



15.9480, 24.1140, 14.5300

Previews

White Background



This preview shows how the YIQ color 89.9700, 21.3030, 93.0390 looks on a white background.

Color Contrast Check

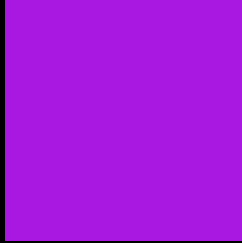
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.9700, 21.3030, 93.0390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

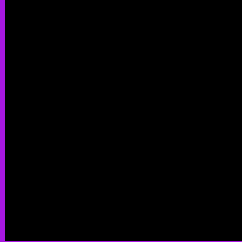
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.9700, 21.3030, 93.0390

Background



This preview shows how black text looks on a background with the YIQ color 89.9700, 21.3030, 93.0390.



This preview shows how white text looks on a background with the YIQ color 89.9700, 21.3030,

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

89.9700, 21.3030, 93.0390

Protanopia

85.1990, -97.9820, 13.6180

Deuteranopia

85.6430, -90.9650, 2.0830



Tritanopia

108.1400, 32.3210, 14.4730

Trichromacy



Original Color

89.9700, 21.3030, 93.0390



Protanomaly

86.7570, -54.6140, 42.6500



Deuteranomaly

87.1670, -50.2570, 35.2710



Tritanomaly

101.5030, 28.0060, 43.1260

Monochromacy



Original Color

89.9700, 21.3030, 93.0390



Achromatopsia

90.0000, -0.0000, -0.0000



Achromatomaly

89.8700, 7.5590, 33.7270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.9700, 21.3030, 93.0390 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(168, 24, 225)` looks like.

```
.text, #text, p{  
    color:rgb(168, 24, 225)  
}
```

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(168, 24, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 24, 225) }
```

Border

The CSS property to change the border of an element to YIQ 89.9700, 21.3030, 93.0390 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(168, 24, 225) }
```


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

```
.border{ border-color:rgb(168, 24, 225) }
```

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

Here you see how a box with a 4 pixel rgb(168, 24, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 24, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 24, 225);  
box-shadow:4px 4px 4px 4px rgb(168, 24,  
225) }
```

Background

The CSS property to change the background color of an element to YIQ 89.9700, 21.3030, 93.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 24, 225) }
```

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

```
.background{ background-color: rgb(168, 24,  
225) }
```

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