

Converting Colors

YIQ(84.8500, 21.7610, 95.7530)

Have a look what the booklet for
YIQ(84.8500, 21.7610, 95.7530)
contains.

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Color

**YIQ(84.8500, 21.7610,
95.7530)**

Conversions

Conversions Part 1

Format	Color
Hex	A511E0
RGB	165, 17, 224
RGB Percent	65%, 7%, 88%
CMY	0.3524, 0.9336, 0.1216
CMYK	0.26, 0.92, 0.00, 0.12
HSL	283°, 86%, 47%
HSV	283°, 92%, 88%
XYZ	29.1941, 13.7923, 71.6311
YIQ	84.8500, 21.7610, 95.7530

Conversions

Conversions Part 2

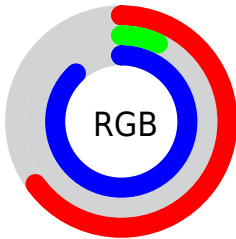
Format	Color
R_{YB}	165, 17, 224
Decimal	10818016
CIE _{Lab}	43.93, 79.02, -70.61
CIE _{LCh}	44, 105.973, 318.217
Yxy	13.7923, 0.2547, 0.1203
Android (android.graphics.Color)	4289008096 (0xFFA511E0)
YUV	84.8500, 68.6009, 70.2916
Hunter-Lab	37.1380, 75.3270, -88.3610

Details

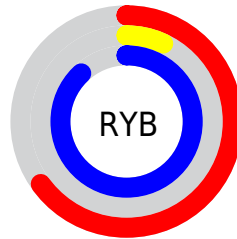
The YIQ color **84.8500, 21.7610, 95.7530** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **156.1500, -21.7610, -95.7530**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.7620, 27.2200, 79.4120**, and **50.7320, 9.5690, 74.4090** is the 20% darker color. If you saturate the color by 10%, you get **73.3760, 23.4560, 103.5840**, and if you desaturate by 10%, it is **99.5580, 19.2870, 85.5190**.

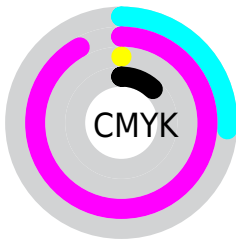
Distribution



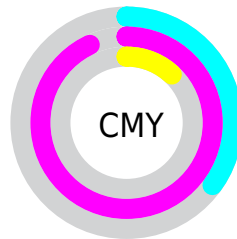
- Red (65%)
- Green (7%)
- Blue (88%)



- Red (65%)
- Yellow (7%)
- Blue (88%)



- Cyan (26%)
- Magenta (92%)
- Yellow (0%)
- Black (12%)



- Cyan (35%)
- Magenta (93%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.8500, 21.7610, 95.7530 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 84.8500, 21.7610, 95.7530 by changing the saturation by 10% instead.

84.8500, 21.7610,
95.7530

84.8500, 21.7610,
95.7530

255.0000, -0.0000,
-0.0000

62.5950, 17.8650,
89.2650

149.7620, 27.2200,
79.4120

50.7320, 9.5690,
74.4090

176.3420, 36.8500,
70.0820

38.6840, 0.3560,
59.6520

193.3650, 28.8750,
54.9150

26.1520, -10.3700,
44.7820

210.3880, 20.9000,
39.7480

10.0320, -28.2480,
27.3680

227.9980, 12.6500,
24.0580

7.2960, -20.5440,
19.9040

245.0210, 4.6750,

6.4350, -13.9860,

8.8910

11.1820

■ 2.6390, -6.0530,
5.0750

■ 0.0000, 0.0000,
0.0000

■ 84.8500, 21.7610,
95.7530

■ 84.8500, 21.7610,
95.7530

■ 73.3760, 23.4560,
103.5840

■ 99.5580, 19.2870,
85.5190

■ 115.1520, 17.1340,
74.9740

■ 129.8600, 14.6600,
64.7400

■ 145.4540, 12.5070,
54.1950

■ 160.1620, 10.0330,
43.9610

■ 174.8700, 7.5590,
33.7270

■ 190.4640, 5.4060,
23.1820

■ 205.1720, 2.9320,
12.9480

■ 220.4670, 0.1830,
2.1910

Harmonies

Analogous

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



87.1830, -109.0800, 27.5280



84.8500, 21.7610, 95.7530



86.2680, 93.5610, 94.0810

Triad

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



84.8500, 21.7610, 95.7530



98.0010, 68.1800, -13.1640



97.1430, -87.5220, -21.7780

Complementary

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



84.8500, 21.7610, 95.7530



156.1500, -21.7610, -95.7530

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.



85.3670, -57.1190, -49.6550



84.8500, 21.7610, 95.7530



90.5170, 12.8000, -44.7680

Square

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



84.8500, 21.7610, 95.7530



63.6870, 126.9480, 45.1560



75.1360, -35.2000, -66.9440



106.2630, -113.2020, 3.1020

Rectangle

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



84.8500, 21.7610, 95.7530



83.2440, 119.3310, 78.5870



75.1360, -35.2000, -66.9440



93.7230, -77.8920, -31.1080

Sweetspot

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



84.8500, 21.7610, 95.7530



207.3430, 7.6050, 32.8930



76.9920, -83.4970, 31.9510



98.2850, 4.3520, 20.2560



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.



84.8500, 21.7610, 95.7530



83.7870, 27.2130, 118.1010



97.8170, 70.0860, 95.5100



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.



85.6190, 104.4330, 62.2330



84.4530, 128.8680, 76.4520



143.1830, -70.0860, -95.5100



104.6310, 5.5930, 3.2650



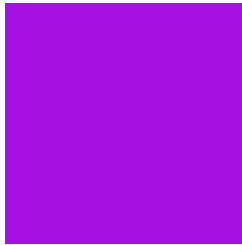
58.3240, 88.8460, 52.8620



15.9480, 24.1140, 14.5300

Previews

White Background



This preview shows how the YIQ color 84.8500, 21.7610, 95.7530 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

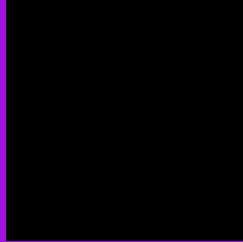
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.8500, 21.7610, 95.7530

Background



This preview shows how black text looks on a background with the YIQ color 84.8500, 21.7610, 95.7530.



This preview shows how white text looks on a background with the YIQ color 84.8500, 21.7610,

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

84.8500, 21.7610, 95.7530

Protanopia

83.5690, -96.1480, 13.4200

Deuteranopia

84.0130, -89.1310, 1.8850



Tritanopia

106.4280, 31.4500, 13.7380

Trichromacy



Original Color

84.8500, 21.7610, 95.7530



Protanomaly

83.7680, -53.1470, 43.5970



Deuteranomaly

84.1780, -48.7900, 36.2180



Tritanomaly

98.6170, 27.6850, 43.4370

Monochromacy



Original Color

84.8500, 21.7610, 95.7530



Achromatopsia

85.0000, -0.0000, 0.0000



Achromatomaly

84.8100, 7.7880, 35.0840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.8500, 21.7610, 95.7530 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(165, 17, 224)` looks like.

```
.text, #text, p{  
    color:rgb(165, 17, 224)  
}
```

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(165, 17, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 17, 224) }
```

Border

The CSS property to change the border of an element to YIQ 84.8500, 21.7610, 95.7530 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(165, 17, 224) }
```


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

```
.border{ border-color:rgb(165, 17, 224) }
```

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

Here you see how a box with a 4 pixel rgb(165, 17, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 17, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 17, 224);  
box-shadow:4px 4px 4px 4px rgb(165, 17,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 84.8500, 21.7610, 95.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 17, 224) }
```

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

```
.background{ background-color: rgb(165, 17,  
224) }
```

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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