

Converting Colors

YIQ(68.4050, 24.5120, 95.4560)

Have a look what the booklet for
YIQ(68.4050, 24.5120, 95.4560)
contains.

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Color

**YIQ(68.4050, 24.5120,
95.4560)**

Conversions

Conversions Part 1

Format	Color
Hex	9700CC
RGB	151, 0, 204
RGB Percent	59%, 0%, 80%
CMY	0.4073, 1.0000, 0.2001
CMYK	0.26, 1.00, 0.00, 0.20
HSL	284°, 100%, 40%
HSV	284°, 100%, 80%
XYZ	23.6828, 10.9501, 57.9824
YIQ	68.4050, 24.5120, 95.4560

Conversions

Conversions Part 2

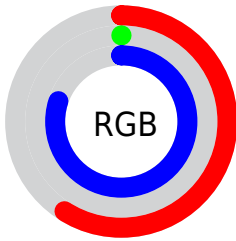
Format	Color
RYB	151, 0, 204
Decimal	9896140
CIELab	39.50, 75.42, -66.43
CIElCh	39, 100.504, 318.629
Yxy	10.9501, 0.2557, 0.1182
Android (android.graphics.Color)	4288086220 (0xFF9700CC)
YUV	68.4050, 66.8483, 72.4358
Hunter-Lab	33.0909, 69.8412, -80.7252

Details

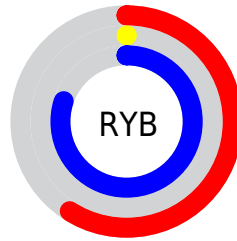
The YIQ color **68.4050, 24.5120, 95.4560** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **135.5950, -24.5120, -95.4560**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **140.5810, 20.4800, 80.4160**, and **44.6790, 7.9200, 65.7440** is the 20% darker color. If you saturate the color by 10%, you get **68.4050, 24.5120, 95.4560**, and if you desaturate by 10%, it is **81.6400, 21.9920, 86.0560**.

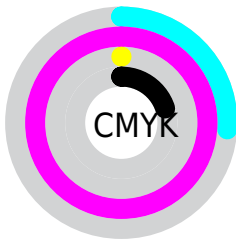
Distribution



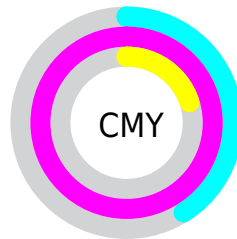
- Red (59%)
- Green (0%)
- Blue (80%)



- Red (59%)
- Yellow (0%)
- Blue (80%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (41%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.4050, 24.5120, 95.4560 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 68.4050, 24.5120, 95.4560 by changing the saturation by 10% instead.

68.4050, 24.5120,
95.4560

68.4050, 24.5120,
95.4560

255.0000, -0.0000,
-0.0000

56.5420, 16.2160,
80.6000

140.5810, 20.4800,
80.4160

44.6790, 7.9200,
65.7440

166.8730, 30.9810,
71.8210

32.7450, -1.6140,
51.2980

188.0820, 31.3500,
59.6220

21.1100, -10.5520,
37.0640

205.1050, 23.3750,
44.4550

8.0940, -22.7910,
22.0810

222.1280, 15.4000,
29.2880

7.8200, -16.5080,
12.8360

239.1510, 7.4250,

3.5510, -8.6210,

14.1210

7.5630

■ 0.0000, 0.0000,
0.0000

■ 68.4050, 24.5120,
95.4560

■ 81.6400, 21.9920,
86.0560

■ 95.7610, 19.7930,
76.3450

■ 108.9960, 17.2730,
66.9450

■ 122.8180, 14.4780,
57.0220

■ 136.3520, 12.5540,
47.8340

■ 149.5870, 10.0340,
38.4340

■ 163.4090, 7.2390,
28.5110

■ 176.6440, 4.7190,
19.1110

■ 190.7650, 2.5200,
9.4000

Harmonies

Analogous

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



80.6120, -105.7340, 32.9700



68.4050, 24.5120, 95.4560



78.8770, 87.0520, 85.3880

Triad

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



68.4050, 24.5120, 95.4560



87.9340, 61.1190, -11.8490



88.0300, -79.7740, -19.0220

Complementary

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



68.4050, 24.5120, 95.4560



135.5950, -24.5120, -95.4560

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.



77.0520, -51.6180, -44.7220



68.4050, 24.5120, 95.4560



80.7710, 9.2690, -41.3470

Square

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



68.4050, 24.5120, 95.4560



57.7070, 115.0280, 40.9160



68.0920, -31.9000, -60.6680



96.4660, -103.5280, 3.9920

Rectangle

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



68.4050, 24.5120, 95.4560



75.8250, 110.0250, 71.0250



68.0920, -31.9000, -60.6680



84.8380, -70.7860, -27.7300

Sweetspot

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



68.4050, 24.5120, 95.4560



204.4080, 8.9800, 35.5080



54.9540, -80.3340, 35.2020



97.4100, 5.4980, 21.5140



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.



68.4050, 24.5120, 95.4560



85.5810, 30.7890, 119.3730



78.7800, 71.5080, 91.7640



95.2330, 0.9620, 4.5940



55.7010, 20.0220, 77.7020



12.7040, 4.4900, 17.7540

Inverse Universe

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



67.0380, 104.5710, 59.7310



83.7690, 130.7940, 74.5860



125.2200, -71.5080, -91.7640



95.2180, 5.3180, 2.7420



54.5360, 85.1330, 48.5650



12.5020, 19.4380, 11.1660

Previews

White Background



This preview shows how the YIQ color 68.4050, 24.5120, 95.4560 looks on a white background.

Color Contrast Check

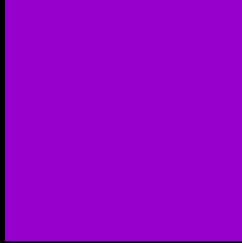
Large Text (above 18pt) WCAG AA ✓ Pass

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 68.4050, 24.5120, 95.4560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

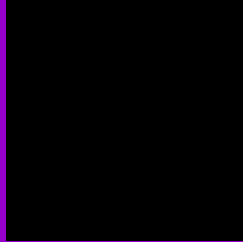
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.4050, 24.5120, 95.4560

Background



This preview shows how black text looks on a background with the YIQ color 68.4050, 24.5120, 95.4560.



This preview shows how white text looks on a background with the YIQ color 68.4050, 24.5120,

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

68.4050, 24.5120, 95.4560

Protanopia

76.1200, -87.5740, 12.2180

Deuteranopia

76.2050, -80.9240, 1.8280



Tritanopia

96.2320, 29.0660, 12.8900

Trichromacy



Original Color

68.4050, 24.5120, 95.4560

Protanomaly

73.6500, -47.0030, 42.3810

Deuteranomaly

73.5870, -42.6920, 35.8360

Tritanomaly

86.2040, 27.4100, 42.9140

Monochromacy



Original Color

68.4050, 24.5120, 95.4560

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

67.8810, 9.0260, 34.6740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.4050, 24.5120, 95.4560 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(151, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 204)  
}
```

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(151, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 204) }
```

Border

The CSS property to change the border of an element to YIQ 68.4050, 24.5120, 95.4560 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(151, 0, 204) }
```


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

```
.border{ border-color:rgb(151, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
204) }
```

Background

The CSS property to change the background color of an element to YIQ 68.4050, 24.5120, 95.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 204) }
```

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

```
.background{ background-color: rgb(151, 0,  
204) }
```

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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