

Converting Colors

YIQ(67.7250, 3.4200, 103.2600)

Have a look what the booklet for
YIQ(67.7250, 3.4200, 103.2600)
contains.

YIQ(67.7250, 3.4200, 103.2600)	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(67.7250, 3.4200,
103.2600)**

Conversions

Conversions Part 1

Format	Color
Hex	8700F0
RGB	135, 0, 240
RGB Percent	53%, 0%, 94%
CMY	0.4701, 1.0000, 0.0590
CMYK	0.44, 1.00, 0.00, 0.06
HSL	274°, 100%, 47%
HSV	274°, 100%, 94%
XYZ	25.7326, 11.4495, 83.2576
YIQ	67.7250, 3.4200, 103.2600

Conversions

Conversions Part 2

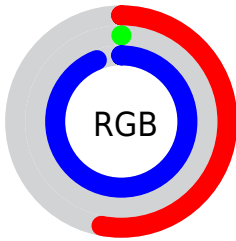
Format	Color
R_{YB}	135, 0, 240
Decimal	8847600
CIE _{Lab}	40.33, 80.67, -85.77
CIE _{LCh}	40, 117.745, 313.244
Yxy	11.4495, 0.2137, 0.0951
Android (android.graphics.Color)	4287037680 (0xFF8700F0)
YUV	67.7250, 84.9316, 59.0002
Hunter-Lab	33.8371, 76.5316, -122.1993

Details

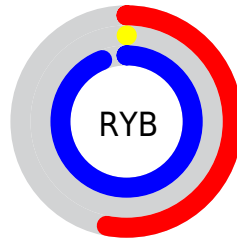
The YIQ color **67.7250, 3.4200, 103.2600** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **172.2750, -3.4200, -103.2600**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.6940, 12.7320, 77.6600**, and **41.3790, -17.2980, 71.2300** is the 20% darker color. If you saturate the color by 10%, you get **67.7250, 3.4200, 103.2600**, and if you desaturate by 10%, it is **85.1020, 3.3760, 93.0400**.

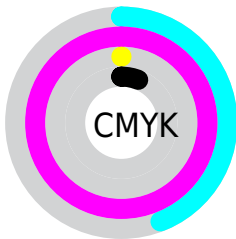
Distribution



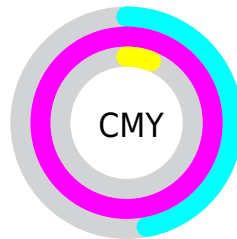
- Red (53%)
- Green (0%)
- Blue (94%)



- Red (53%)
- Yellow (0%)
- Blue (94%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.7250, 3.4200, 103.2600 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 67.7250, 3.4200, 103.2600 by changing the saturation by 10% instead.

67.7250, 3.4200,
103.2600

67.7250, 3.4200,
103.2600

255.0000, -0.0000,
-0.0000

54.8510, -6.3430,
87.4570

136.6940, 12.7320,
77.6600

41.3790, -17.2980,
71.2300

162.9860, 23.2330,
69.0650

24.7320, -35.1300,
52.9820

188.0820, 31.3500,
59.6220

14.5920, -41.0880,
39.8080

205.1050, 23.3750,
44.4550

11.5140, -32.4210,
31.4110

222.1280, 15.4000,
29.2880

13.9470, -26.8710,
18.9290

239.7380, 7.1500,

8.2760, -17.7920,

13.5980

14.0800

■ 4.5940, -10.1800,
8.2840

■ 0.0000, 0.0000,
0.0000

■ 67.7250, 3.4200,
103.2600

■ 85.1020, 3.3760,
93.0400

■ 102.1800, 2.7360,
82.6080

■ 119.5570, 2.6920,
72.3880

■ 136.6350, 2.0520,
61.9560

■ 154.0120, 2.0080,
51.7360

■ 171.0900, 1.3680,
41.3040

■ 188.4670, 1.3240,
31.0840

■ 205.5450, 0.6840,
20.6520

■ 222.6230, 0.0440,
10.2200

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



67.7250, 3.4200, 103.2600



85.6140, 86.7750, 95.9190

Triad

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



67.7250, 3.4200, 103.2600



87.4570, 76.0640, -1.8560



89.6940, -78.9480, -22.9800

Complementary

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



67.7250, 3.4200, 103.2600



172.2750, -3.4200, -103.2600

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.



76.3220, -44.0510, -55.2110



67.7250, 3.4200, 103.2600



84.3590, 16.4210, -38.8030

Square

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



67.7250, 3.4200, 103.2600



65.1820, 129.9280, 46.2160



69.8530, -32.7250, -62.2370



101.8290, -108.9840, 3.7520

Rectangle

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



67.7250, 3.4200, 103.2600



84.1130, 118.3220, 80.3540



69.8530, -32.7250, -62.2370



85.2310, -67.7590, -33.0310

Sweetspot

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



67.7250, 3.4200, 103.2600



200.5210, 1.2320, 32.7520



90.7560, -106.7400, 18.1560



94.7190, 0.1340, 19.6060



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.



67.7250, 3.4200, 103.2600



72.1260, 3.9690, 109.8330



97.7520, 69.8520, 121.7880



111.4610, 0.3200, 5.2160



51.7730, 2.3240, 79.0600



15.9520, 1.0960, 24.2000

Inverse Universe

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



83.7300, 109.3350, 83.5350



88.8990, 116.3490, 88.5810



142.2480, -69.8520, -121.7880



112.1580, 5.5470, 4.0990



64.1360, 83.9840, 63.8880



19.5940, 25.3510, 19.6470

Previews

White Background



This preview shows how the YIQ color 67.7250, 3.4200, 103.2600 looks on a white background.

Color Contrast Check

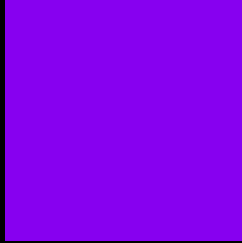
Large Text (above 18pt) WCAG AA ✓ Pass

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 67.7250, 3.4200, 103.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

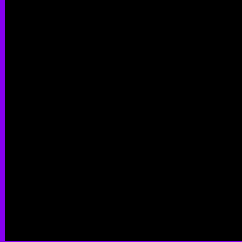
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.7250, 3.4200, 103.2600

Background



This preview shows how black text looks on a background with the YIQ color 67.7250, 3.4200, 103.2600.



This preview shows how white text looks on a background with the YIQ color 67.7250, 3.4200,

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

67.7250, 3.4200, 103.2600

Protanopia

76.9350, -88.4910, 12.3170

Deuteranopia

77.2650, -81.1530, 0.4710



Tritanopia

97.4890, 3.1170, 4.0850

Trichromacy



Original Color

67.7250, 3.4200, 103.2600



Protanomaly

73.4520, -55.0730, 45.4630



Deuteranomaly

73.7480, -50.3950, 37.7730



Tritanomaly

86.9330, 3.2480, 40.2720

Monochromacy



Original Color

67.7250, 3.4200, 103.2600



Achromatopsia

68.0000, -0.0000, 0.0000



Achromatomaly

67.6830, 0.9560, 37.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.7250, 3.4200, 103.2600 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(135, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 240)  
}
```

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(135, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 240) }
```

Border

The CSS property to change the border of an element to YIQ 67.7250, 3.4200, 103.2600 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(135, 0, 240) }
```


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

```
.border{ border-color:rgb(135, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
240) }
```

Background

The CSS property to change the background color of an element to YIQ 67.7250, 3.4200, 103.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 240) }
```

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

```
.background{ background-color: rgb(135, 0,  
240) }
```

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