

Converting Colors

YIQ(68.6570, 23.3220, 83.9780)

Have a look what the booklet for
YIQ(68.6570, 23.3220, 83.9780)
contains.

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Color

**YIQ(68.6570, 23.3220,
83.9780)**

Conversions

Conversions Part 1

Format	Color
Hex	8F08BA
RGB	143, 8, 186
RGB Percent	56%, 3%, 73%
CMY	0.4388, 0.9688, 0.2706
CMYK	0.23, 0.96, 0.00, 0.27
HSL	286°, 92%, 38%
HSV	286°, 96%, 73%
XYZ	20.2947, 9.5666, 47.2248
YIQ	68.6570, 23.3220, 83.9780

Conversions

Conversions Part 2

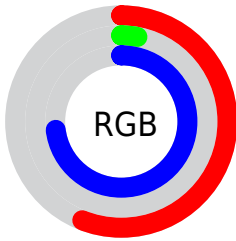
Format	Color
R_{YB}	143, 8, 186
Decimal	9373882
CIE _{Lab}	37.05, 70.17, -59.92
CIE _{LCh}	37, 92.274, 319.506
Yxy	9.5666, 0.2633, 0.1241
Android (android.graphics.Color)	4287563962 (0xFF8F08BA)
YUV	68.6570, 57.8501, 65.1988
Hunter-Lab	30.9299, 62.9956, -68.8750

Details

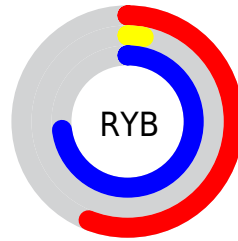
The YIQ color **68.6570, 23.3220, 83.9780** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **125.3430, -23.3220, -83.9780**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.9350, 19.2430, 75.2990**, and **40.7620, 8.8840, 59.2840** is the 20% darker color. If you saturate the color by 10%, you get **63.3630, 24.3300, 87.7380**, and if you desaturate by 10%, it is **81.3050, 21.0770, 75.1010**.

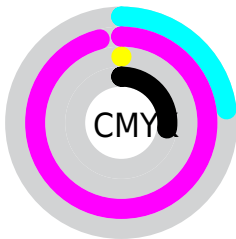
Distribution



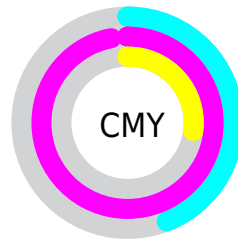
- Red (56%)
- Green (3%)
- Blue (73%)



- Red (56%)
- Yellow (3%)
- Blue (73%)



- Cyan (23%)
- Magenta (96%)
- Yellow (0%)
- Black (27%)



- Cyan (44%)
- Magenta (97%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.6570, 23.3220, 83.9780 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 68.6570, 23.3220, 83.9780 by changing the saturation by 10% instead.

68.6570, 23.3220,
83.9780

68.6570, 23.3220,
83.9780

255.0000, -0.0000,
-0.0000

52.0980, 17.2260,
73.3060

135.9350, 19.2430,
75.2990

40.7620, 8.8840,
59.2840

163.2960, 25.2960,
70.2240

29.1270, -0.0540,
45.0500

186.9080, 31.9000,
60.6680

17.6060, -9.3130,
31.1270

203.3440, 24.2000,
46.0240

6.3840, -17.9760,
17.4160

220.3670, 16.2250,
30.8570

5.0500, -11.4640,
9.5280

237.9770, 7.9750,

0.9120, -2.5680,

15.1670

2.4880

■ 0.0000, 0.0000,
0.0000

■ 68.6570, 23.3220,
83.9780

■ 68.6570, 23.3220,
83.9780

■ 63.3630, 24.3300,
87.7380

■ 81.3050, 21.0770,
75.1010

■ 93.0670, 18.5110,
66.5350

■ 105.7150, 16.2660,
57.6580

■ 117.4770, 13.7000,
49.0920

■ 130.1250, 11.4550,
40.2150

■ 142.4740, 8.6140,
31.1260

■ 154.2360, 6.0480,
22.5600

■ 166.8840, 3.8030,
13.6830

■ 178.6460, 1.2370,
5.1170

Harmonies

Analogous

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



73.9950, -96.7470, 29.7890



68.6570, 23.3220, 83.9780



72.8390, 81.0470, 78.5750

Triad

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



68.6570, 23.3220, 83.9780



82.2970, 55.6630, -12.0890



82.4220, -75.0060, -17.3260

Complementary

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



68.6570, 23.3220, 83.9780



125.3430, -23.3220, -83.9780

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.



72.2420, -49.0970, -40.8490



68.6570, 23.3220, 83.9780



75.1670, 8.2140, -38.7460

Square

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



68.6570, 23.3220, 83.9780



57.9180, 103.8880, 33.5520



63.3960, -29.7000, -56.4840



89.9460, -96.1920, 3.2000

Rectangle

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



68.6570, 23.3220, 83.9780



69.9440, 102.1400, 65.2440



63.3960, -29.7000, -56.4840



79.4580, -66.6600, -25.4120

Sweetspot

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



68.6570, 23.3220, 83.9780



195.8270, 9.1180, 33.0060



54.1200, -69.2380, 32.3460



94.3560, 5.5900, 19.8460



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



68.6570, 23.3220, 83.9780



82.6040, 31.9820, 114.2700



76.3840, 63.3950, 79.0990



86.1190, 1.2830, 4.2830



53.0660, 20.2520, 73.5320



9.4710, 3.5280, 13.1600

Inverse Universe

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



66.1240, 92.2850, 51.1090



78.9700, 125.6140, 69.3420



117.5020, -63.0740, -79.4100



85.9190, 4.7220, 2.5300



50.8620, 81.0990, 44.5790



9.1700, 14.4410, 8.1130

Previews

White Background



This preview shows how the YIQ color 68.6570, 23.3220, 83.9780 looks on a white background.

Color Contrast Check

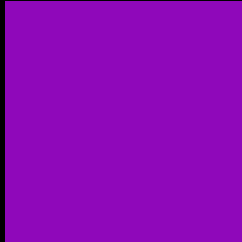
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 68.6570, 23.3220, 83.9780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

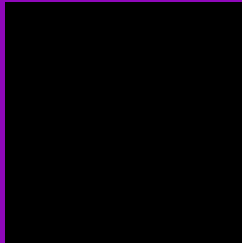
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.6570, 23.3220, 83.9780

Background



This preview shows how black text looks on a background with the YIQ color 68.6570, 23.3220, 83.9780.



This preview shows how white text looks on a background with the YIQ color 68.6570, 23.3220,

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

68.6570, 23.3220, 83.9780

Protanopia

71.1160, -81.7510, 11.3130

Deuteranopia

71.4290, -75.7430, 1.5450



Tritanopia

89.7160, 30.5790, 13.0030

Trichromacy



Original Color

68.6570, 23.3220, 83.9780

Protanomaly

70.4560, -43.7010, 37.6030

Deuteranomaly

70.5070, -39.7110, 31.3690

Tritanomaly

81.8680, 28.2360, 38.9560

Monochromacy



Original Color

68.6570, 23.3220, 83.9780

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.0610, 8.3390, 30.6030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.6570, 23.3220, 83.9780 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(143, 8, 186)` looks like.

```
.text, #text, p{  
    color:rgb(143, 8, 186)  
}
```

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(143, 8, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 8, 186) }
```

Border

The CSS property to change the border of an element to YIQ 68.6570, 23.3220, 83.9780 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(143, 8, 186) }
```


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

```
.border{ border-color:rgb(143, 8, 186) }
```

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

Here you see how a box with a 4 pixel rgb(143, 8, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 8, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 8, 186);  
box-shadow:4px 4px 4px 4px rgb(143, 8,  
186) }
```

Background

The CSS property to change the background color of an element to YIQ 68.6570, 23.3220, 83.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 8, 186) }
```

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

```
.background{ background-color: rgb(143, 8,  
186) }
```

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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