

Converting Colors

YIQ(85.8490, 39.5560, 65.0920)

Have a look what the booklet for
YIQ(85.8490, 39.5560, 65.0920)
contains.

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Color

**YIQ(85.8490, 39.5560,
65.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	A42199
RGB	164, 33, 153
RGB Percent	64%, 13%, 60%
CMY	0.3565, 0.8708, 0.3999
CMYK	0.00, 0.80, 0.07, 0.36
HSL	305°, 67%, 39%
HSV	305°, 80%, 64%
XYZ	21.6236, 11.2881, 31.1832
YIQ	85.8490, 39.5560, 65.0920

Conversions

Conversions Part 2

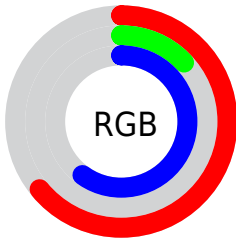
Format	Color
RYB	164, 33, 153
Decimal	10756505
CIELab	40.06, 63.59, -35.17
CIELCh	40, 72.669, 331.052
Yxy	11.2881, 0.3374, 0.1761
Android (android.graphics.Color)	4288946585 (0xFFA42199)
YUV	85.8490, 33.1054, 68.5384
Hunter-Lab	33.5978, 56.0870, -31.5105

Details

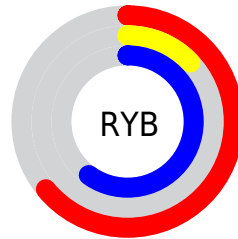
The YIQ color **85.8490, 39.5560, 65.0920** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **111.1510, -39.5560, -65.0920**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **145.2680, 39.6940, 62.5900**, and **43.8060, 31.9470, 54.3070** is the 20% darker color. If you saturate the color by 10%, you get **76.3430, 44.2770, 73.1490**, and if you desaturate by 10%, it is **95.3550, 34.8350, 57.0350**.

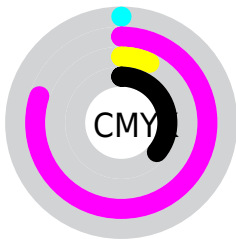
Distribution



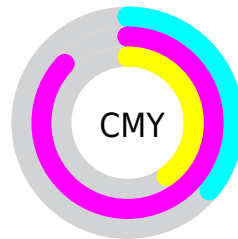
- Red (64%)
- Green (13%)
- Blue (60%)



- Red (64%)
- Yellow (13%)
- Blue (60%)



- Cyan (0%)
- Magenta (80%)
- Yellow (7%)
- Black (36%)





- Cyan (36%)
- Magenta (87%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 85.8490, 39.5560, 65.0920 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 85.8490, 39.5560, 65.0920 by changing the saturation by 10% instead.


 85.8490, 39.5560,
65.0920


 85.8490, 39.5560,
65.0920


255.0000, -0.0000,
-0.0000


 55.1420, 40.2890,
68.3290


 145.2680, 39.6940,
62.5900


 43.8060, 31.9470,
54.3070


 174.4530, 40.6110,
62.4910


 32.9970, 23.5590,
41.1190


 193.9520, 28.6000,
54.3920

 23.1990, 16.6380,
28.8780

 210.3880, 20.9000,
39.7480

 11.0090, 4.9490,
14.9410

 227.4110, 12.9250,
24.5810

 0.2280, -0.6420,
0.6220

 245.0210, 4.6750,

 0.0000, 0.0000,

8.8910

0.0000

■ 85.8490, 39.5560,
65.0920

■ 85.8490, 39.5560,
65.0920

■ 76.3430, 44.2770,
73.1490

■ 95.3550, 34.8350,
57.0350

■ 66.1360, 49.5940,
81.4180

■ 105.5620, 29.5180,
48.7660

■ 115.0680, 24.7970,
40.7090

■ 125.2750, 19.4800,
32.4400

■ 134.7810, 14.7590,
24.3830

■ 144.2870, 10.0380,
16.3260

■ 154.4940, 4.7210,
8.0570

■ 164.0000, 0.0000,
-0.0000

■ 174.0930, -4.9960,
-8.5800

Harmonies

Analogous

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



93.1860, -34.0730, 39.3270



85.8490, 39.5560, 65.0920



68.5370, 84.5330, 70.4610

Triad

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



85.8490, 39.5560, 65.0920



88.6770, 42.3690, -24.4710



87.5230, -82.4800, -14.0320

Complementary

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



85.8490, 39.5560, 65.0920



111.1510, -39.5560, -65.0920

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.



80.0960, -62.9450, -32.1690



85.8490, 39.5560, 65.0920



78.9440, 1.2920, -45.4600

Square

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



85.8490, 39.5560, 65.0920



86.8700, 76.3390, -1.3330



70.9250, -41.2550, -50.8150



90.1910, -95.5040, 1.7440

Rectangle

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



85.8490, 39.5560, 65.0920



64.0910, 97.0520, 58.3320



70.9250, -41.2550, -50.8150



85.3570, -76.3810, -19.9410

Sweetspot

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



85.8490, 39.5560, 65.0920



183.6070, 15.3090, 25.4290



51.2230, -35.4950, 43.0730



88.4610, 9.4880, 15.2800



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



85.8490, 39.5560, 65.0920



91.7270, 61.8320, 101.9280



78.4390, 60.4210, 44.8770



76.6030, 2.7960, 4.3960



58.5170, 43.7270, 72.1030



7.2060, 5.5920, 8.7920

Inverse Universe

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



85.8490, 39.5560, 65.0920



91.7270, 61.8320, 101.9280



118.5610, -60.4210, -44.8770



76.6030, 2.7960, 4.3960



58.5170, 43.7270, 72.1030



7.2060, 5.5920, 8.7920

Previews

White Background



This preview shows how the YIQ color 85.8490, 39.5560, 65.0920 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

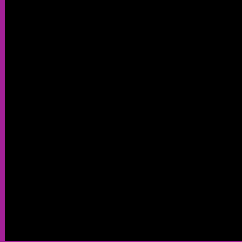
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.8490, 39.5560, 65.0920

Background



This preview shows how black text looks on a background with the YIQ color 85.8490, 39.5560, 65.0920.



This preview shows how white text looks on a background with the YIQ color 85.8490, 39.5560,

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

85.8490, 39.5560, 65.0920

Protanopia

76.3480, -88.2160, 12.8400

Deuteranopia

93.7090, -29.4370, 10.3630



Tritanopia

93.3660, 52.3560, 20.3240

Trichromacy



Original Color

85.8490, 39.5560, 65.0920



Protanomaly

80.1370, -41.5450, 31.5670



Deuteranomaly

90.4170, -4.4070, 30.3210



Tritanomaly

90.6390, 47.8140, 36.5660

Monochromacy



Original Color

85.8490, 39.5560, 65.0920



Achromatopsia

86.0000, -0.0000, -0.0000



Achromatomaly

85.9550, 14.2090, 23.3370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.8490, 39.5560, 65.0920 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(164, 33, 153)` looks like.

```
.text, #text, p{  
    color:rgb(164, 33, 153)  
}
```

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(164, 33, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 33, 153) }
```

Border

The CSS property to change the border of an element to YIQ 85.8490, 39.5560, 65.0920 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(164, 33, 153) }
```


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

```
.border{ border-color:rgb(164, 33, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 33, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 33, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 33, 153); box-shadow:4px 4px 4px 4px rgb(164, 33, 153) }
```

Background

The CSS property to change the background color of an element to YIQ 85.8490, 39.5560, 65.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 33, 153) }
```

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

```
.background{ background-color: rgb(164, 33,  
153) }
```

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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