

Converting Colors

YIQ(89.7120, 38.6840, 69.8840)

Have a look what the booklet for
YIQ(89.7120, 38.6840, 69.8840)
contains.

YIQ(89.7120, 38.6840, 69.8840)	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(89.7120, 38.6840,
69.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	AA22A6
RGB	170, 34, 166
RGB Percent	67%, 13%, 65%
CMY	0.3329, 0.8669, 0.3490
CMYK	0.00, 0.80, 0.02, 0.33
HSL	302°, 67%, 40%
HSV	302°, 80%, 67%
XYZ	24.0545, 12.4520, 37.2184
YIQ	89.7120, 38.6840, 69.8840

Conversions

Conversions Part 2

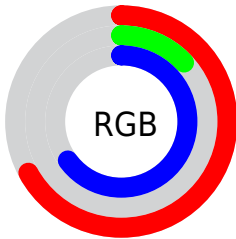
Format	Color
R_{YB}	170, 34, 166
Decimal	11149990
CIE _{Lab}	41.93, 66.59, -39.97
CIE _{LCh}	42, 77.662, 329.027
Yxy	12.4520, 0.3263, 0.1689
Android (android.graphics.Color)	4289340070 (0xFFAA22A6)
YUV	89.7120, 37.6100, 70.4126
Hunter-Lab	35.2875, 59.9254, -37.8331

Details

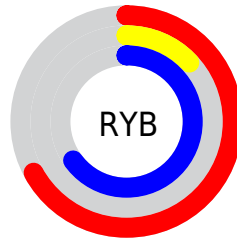
The YIQ color **89.7120, 38.6840, 69.8840** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **114.2880, -38.6840, -69.8840**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **150.7180, 38.5470, 66.8590**, and **46.6690, 31.0750, 59.0990** is the 20% darker color. If you saturate the color by 10%, you get **79.7330, 43.3590, 78.7750**, and if you desaturate by 10%, it is **99.8050, 33.6880, 61.3040**.

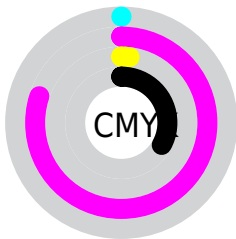
Distribution



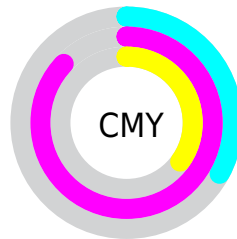
- Red (67%)
- Green (13%)
- Blue (65%)



- Red (67%)
- Yellow (13%)
- Blue (65%)



- Cyan (0%)
- Magenta (80%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.7120, 38.6840, 69.8840 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 89.7120, 38.6840, 69.8840 by changing the saturation by 10% instead.

■ 89.7120, 38.6840,
69.8840

■ 89.7120, 38.6840,
69.8840

■ 255.0000, -0.0000,
-0.0000

■ 58.3040, 40.0130,
73.3330

■ 150.7180, 38.5470,
66.8590

■ 46.9680, 31.6710,
59.3110

■ 178.1200, 37.3550,
66.4350

■ 35.7460, 23.0080,
45.6000

■ 195.1260, 28.0500,
53.3460

■ 25.2360, 15.2160,
32.6240

■ 212.1490, 20.0750,
38.1790

■ 14.2420, 5.9110,
19.5350

■ 229.1720, 12.1000,
23.0120

■ 2.7530, -6.3740,
5.3860

■ 246.7820, 3.8500,

■ 0.0000, 0.0000,

7.3220

0.0000

■ 89.7120, 38.6840,
69.8840

■ 89.7120, 38.6840,
69.8840

■ 79.7330, 43.3590,
78.7750

■ 99.8050, 33.6880,
61.3040

■ 69.6400, 48.3550,
87.3550

■ 109.7840, 29.0130,
52.4130

■ 119.8770, 24.0170,
43.8330

■ 129.8560, 19.3420,
34.9420

■ 139.9490, 14.3460,
26.3620

■ 149.9280, 9.6710,
17.4710

■ 160.0210, 4.6750,
8.8910

■ 170.0000, -0.0000,
0.0000

■ 180.0930, -4.9960,
-8.5800

Harmonies

Analogous

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



95.1400, -45.6270, 39.4690



89.7120, 38.6840, 69.8840



72.8520, 88.2000, 75.5920

Triad

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



89.7120, 38.6840, 69.8840



93.1290, 46.9080, -24.1320



91.6150, -85.7350, -15.6150

Complementary

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



89.7120, 38.6840, 69.8840



114.2880, -38.6840, -69.8840

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.



83.6180, -64.5950, -35.3070



89.7120, 38.6840, 69.8840



83.0860, 3.7680, -46.2800

Square

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



89.7120, 38.6840, 69.8840



89.8710, 83.7660, 1.7340



73.5350, -40.3370, -56.4410



94.9670, -100.6850, 2.0270

Rectangle

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



89.7120, 38.6840, 69.8840



68.3630, 102.2780, 62.7420



73.5350, -40.3370, -56.4410



89.2210, -78.9940, -22.1460

Sweetspot

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



89.7120, 38.6840, 69.8840



190.6610, 15.2170, 27.0970



50.1020, -42.4640, 42.7200



93.1020, 9.1210, 16.4250



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



89.7120, 38.6840, 69.8840



96.1710, 60.8220, 109.2220



82.1880, 59.8700, 49.3580



79.3040, 2.2000, 4.1840



60.5540, 42.3050, 75.8490



8.2600, 5.5000, 10.4600

Inverse Universe

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



89.7120, 38.6840, 69.8840



96.1710, 60.8220, 109.2220



121.8120, -59.8700, -49.3580



79.3040, 2.2000, 4.1840



60.5540, 42.3050, 75.8490



8.2600, 5.5000, 10.4600

Previews

White Background



This preview shows how the YIQ color 89.7120, 38.6840, 69.8840 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

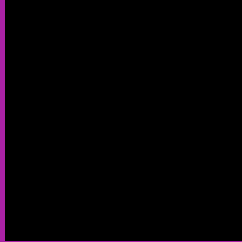
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.7120, 38.6840, 69.8840

Background



This preview shows how black text looks on a background with the YIQ color 89.7120, 38.6840, 69.8840.



This preview shows how white text looks on a background with the YIQ color 89.7120, 38.6840,

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

89.7120, 38.6840, 69.8840

Protanopia

79.7220, -92.2050, 13.5470

Deuteranopia

97.2290, -36.7730, 11.1550



Tritanopia

98.1810, 51.4390, 20.4230

Trichromacy



Original Color

89.7120, 38.6840, 69.8840



Protanomaly

83.1630, -44.4340, 34.3660



Deuteranomaly

94.5460, -9.0840, 32.4840



Tritanomaly

95.5080, 46.8050, 38.3330

Monochromacy



Original Color

89.7120, 38.6840, 69.8840



Achromatopsia

90.0000, -0.0000, -0.0000



Achromatomaly

90.1230, 13.7960, 25.3160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.7120, 38.6840, 69.8840 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(170, 34, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 34, 166)  
}
```

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(170, 34, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 34, 166) }
```

Border

The CSS property to change the border of an element to YIQ 89.7120, 38.6840, 69.8840 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(170, 34, 166) }
```


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

```
.border{ border-color:rgb(170, 34, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 34, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 34, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 34, 166); box-shadow:4px 4px 4px 4px rgb(170, 34, 166) }
```

Background

The CSS property to change the background color of an element to YIQ 89.7120, 38.6840, 69.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 34, 166) }
```

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

```
.background{ background-color: rgb(170, 34,  
166) }
```

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