

Converting Colors

YIQ(87.9470, 37.3050, 89.3770)

Have a look what the booklet for
YIQ(87.9470, 37.3050, 89.3770)
contains.

YIQ(87.9470, 37.3050, 89.3770)	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(87.9470, 37.3050,
89.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	B314C7
RGB	179, 20, 199
RGB Percent	70%, 8%, 78%
CMY	0.2975, 0.9218, 0.2196
CMYK	0.10, 0.90, 0.00, 0.22
HSL	293°, 82%, 43%
HSV	293°, 90%, 78%
XYZ	29.1774, 14.2202, 55.2412
YIQ	87.9470, 37.3050, 89.3770

Conversions

Conversions Part 2

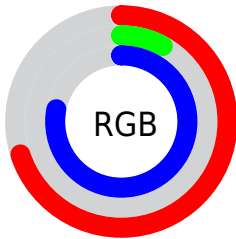
Format	Color
R_{YB}	179, 20, 199
Decimal	11736263
CIE _{Lab}	44.55, 76.31, -55.12
CIE _{LCh}	45, 94.139, 324.159
Yxy	14.2202, 0.2958, 0.1442
Android (android.graphics.Color)	4289926343 (0xFFB314C7)
YUV	87.9470, 54.7491, 79.8535
Hunter-Lab	37.7097, 72.1200, -60.4577

Details

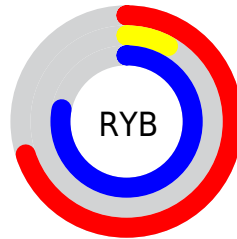
The YIQ color **87.9470, 37.3050, 89.3770** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **131.0530, -37.3050, -89.3770**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.1220, 35.0140, 81.3340**, and **52.5950, 25.8920, 70.4360** is the 20% darker color. If you saturate the color by 10%, you get **75.6090, 41.6130, 99.4130**, and if you desaturate by 10%, it is **100.2850, 32.9970, 79.3410**.

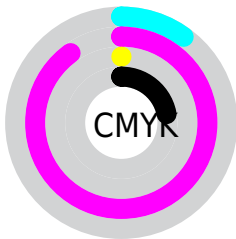
Distribution



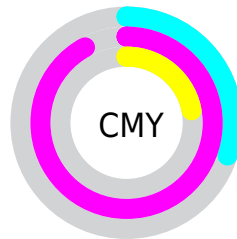
- Red (70%)
- Green (8%)
- Blue (78%)



- Red (70%)
- Yellow (8%)
- Blue (78%)



- Cyan (10%)
- Magenta (90%)
- Yellow (0%)
- Black (22%)





- Cyan (30%)
- Magenta (92%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.9470, 37.3050, 89.3770 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 87.9470, 37.3050, 89.3770 by changing the saturation by 10% instead.


 87.9470, 37.3050,
89.3770


 87.9470, 37.3050,
89.3770


255.0000, -0.0000,
-0.0000


 64.3440, 34.5090,
84.9810


 155.1220, 35.0140,
81.3340


 52.5950, 25.8920,
70.4360


 177.5160, 36.3000,
69.0360


 41.2590, 17.5500,
56.4140


 194.5390, 28.3250,
53.8690

 29.9230, 9.2080,
42.3920

 211.5620, 20.3500,
38.7020

 18.5160, -0.3720,
28.7800

 229.1720, 12.1000,
23.0120

 5.0160, -14.1240,
13.6840

 246.7820, 3.8500,

 3.2090, -7.6580,

7.3220

6.6300

■ 0.0000, 0.0000,
0.0000

■ 87.9470, 37.3050,
89.3770

■ 87.9470, 37.3050,
89.3770

■ 75.6090, 41.6130,
99.4130

■ 100.2850, 32.9970,
79.3410

■ 112.9220, 29.2850,
69.5170

■ 125.2600, 24.9770,
59.4810

■ 137.5980, 20.6690,
49.4450

■ 149.3490, 16.6360,
39.9320

■ 161.6870, 12.3280,
29.8960

■ 174.3240, 8.6160,
20.0720

■ 186.6620, 4.3080,
10.0360

■ 199.0000, -0.0000,
0.0000

Harmonies

Analogous

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



82.7320, -106.1920, 30.2560



87.9470, 37.3050, 89.3770



82.6070, 96.6800, 87.1120

Triad

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



87.9470, 37.3050, 89.3770



99.3970, 57.9570, -20.6270



98.3970, -91.0530, -18.3570

Complementary

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



87.9470, 37.3050, 89.3770



131.0530, -37.3050, -89.3770

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.



88.5760, -64.7770, -43.0250



87.9470, 37.3050, 89.3770



89.2880, 6.0150, -48.4570

Square

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



87.9470, 37.3050, 89.3770



89.4270, 103.1120, 14.5680



75.7230, -35.4750, -67.4670



104.7470, -111.6890, 3.2150

Rectangle

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



87.9470, 37.3050, 89.3770



78.2880, 116.0310, 72.3110



75.7230, -35.4750, -67.4670



95.4330, -82.7070, -26.4430

Sweetspot

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



87.9470, 37.3050, 89.3770



212.1050, 14.2070, 34.3910



52.7330, -63.2340, 44.6860



102.4380, 8.2950, 20.3830



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.



87.9470, 37.3050, 89.3770



96.9430, 53.4370, 127.4290



86.0610, 71.3740, 72.1580



93.4180, 1.8790, 4.4950



61.9370, 34.0970, 81.4330



13.6720, 7.5160, 17.9800

Inverse Universe

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



75.8010, 100.2640, 44.1680



79.4370, 142.9920, 62.7680



132.9390, -71.3740, -72.1580



92.8050, 5.0430, 2.2190



50.7890, 91.3700, 40.1540



11.2200, 20.1720, 8.8760

Previews

White Background



This preview shows how the YIQ color 87.9470, 37.3050, 89.3770 looks on a white background.

Color Contrast Check

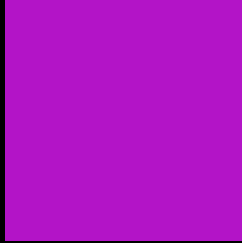
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.9470, 37.3050, 89.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

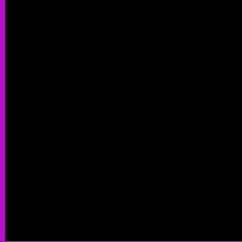
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.9470, 37.3050, 89.3770

Background



This preview shows how black text looks on a background with the YIQ color 87.9470, 37.3050, 89.3770.



This preview shows how white text looks on a background with the YIQ color 87.9470, 37.3050,

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

87.9470, 37.3050, 89.3770

Protanopia

85.1990, -97.9820, 13.6180

Deuteranopia

95.4780, -68.2710, 9.3050



Tritanopia

105.9850, 49.0550, 19.5750

Trichromacy



Original Color

87.9470, 37.3050, 89.3770



Protanomaly

86.2260, -48.7450, 40.9110



Deuteranomaly

92.6980, -29.7630, 38.3090



Tritanomaly

99.2400, 44.9240, 44.8920

Monochromacy



Original Color

87.9470, 37.3050, 89.3770



Achromatopsia

88.0000, -0.0000, -0.0000



Achromatomaly

87.7520, 13.7030, 32.5110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.9470, 37.3050, 89.3770 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(179, 20, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 20, 199)  
}
```

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(179, 20, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 20, 199) }
```

Border

The CSS property to change the border of an element to YIQ 87.9470, 37.3050, 89.3770 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(179, 20, 199) }
```


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

```
.border{ border-color:rgb(179, 20, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 20, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 20, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 20, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 20,  
199) }
```

Background

The CSS property to change the background color of an element to YIQ 87.9470, 37.3050, 89.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 20, 199) }
```

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

```
.background{ background-color: rgb(179, 20,  
199) }
```

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