

Converting Colors

YIQ(78.8090, 46.2010, 82.3370)

Have a look what the booklet for
YIQ(78.8090, 46.2010, 82.3370)
contains.

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Color

**YIQ(78.8090, 46.2010,
82.3370)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | AE0DA8 |
| RGB | 174, 13, 168 |
| RGB Percent | 68%, 5%, 66% |
| CMY | 0.3172, 0.9492, 0.3411 |
| CMYK | 0.00, 0.93, 0.04, 0.32 |
| HSL | 302°, 86%, 37% |
| HSV | 302°, 93%, 68% |
| XYZ | 24.6953, 12.1266, 38.0928 |
| YIQ | 78.8090, 46.2010, 82.3370 |

Conversions

Conversions Part 2

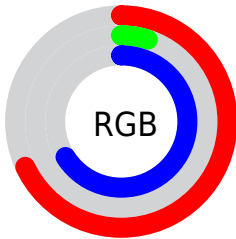
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 174, 13, 168 |
| Decimal | 11406760 |
| CIELab | 41.42, 71.57, -41.93 |
| CIElCh | 41, 82.946, 329.634 |
| Yxy | 12.1266, 0.3296, 0.1619 |
| Android (android.graphics.Color) | 4289596840 (0xFFAE0DA8) |
| YUV | 78.8090, 43.9712, 83.4825 |
| Hunter-Lab | 34.8233, 65.6443, -40.4803 |

Details

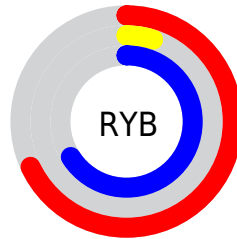
The YIQ color **78.8090, 46.2010, 82.3370** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **108.1910, -46.2010, -82.3370**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.8590, 42.7640, 73.0360**, and **48.0930, 32.8170, 60.5690** is the 20% darker color. If you saturate the color by 10%, you get **71.1780, 49.7760, 89.1360**, and if you desaturate by 10%, it is **88.9020, 41.2050, 73.7570**.

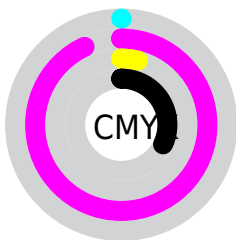
Distribution



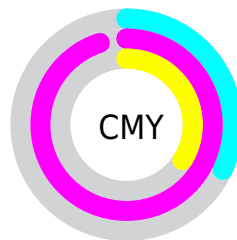
- Red (68%)
- Green (5%)
- Blue (66%)



- Red (68%)
- Yellow (5%)
- Blue (66%)



- Cyan (0%)
- Magenta (93%)
- Yellow (4%)
- Black (32%)



- Cyan (32%)
- Magenta (95%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.8090, 46.2010, 82.3370 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 78.8090, 46.2010, 82.3370 by changing the saturation by 10% instead.

■ 78.8090, 46.2010,
82.3370

■ 78.8090, 46.2010,
82.3370

■ 255.0000, -0.0000,
-0.0000

■ 59.4290, 41.1590,
74.5910

■ 146.8590, 42.7640,
73.0360

■ 48.0930, 32.8170,
60.5690

■ 173.7660, 38.5920,
71.5520

■ 36.8710, 24.1540,
46.8580

■ 191.0170, 29.9750,
57.0070

■ 26.3610, 16.3620,
33.8820

■ 208.0400, 22.0000,
41.8400

■ 15.0680, 6.4610,
20.5810

■ 225.6500, 13.7500,
26.1500

■ 2.9810, -7.0160,
6.0080

■ 242.6730, 5.7750,

■ 0.0000, 0.0000,

10.9830

0.0000

■ 78.8090, 46.2010,
82.3370

■ 78.8090, 46.2010,
82.3370

■ 71.1780, 49.7760,
89.1360

■ 88.9020, 41.2050,
73.7570

■ 99.4680, 36.2550,
64.3430

■ 109.5610, 31.2590,
55.7630

■ 120.2410, 25.9880,
46.6600

■ 130.2200, 21.3130,
37.7690

■ 140.3130, 16.3170,
29.1890

■ 150.9930, 11.0460,
20.0860

■ 160.9720, 6.3710,
11.1950

■ 171.6520, 1.1000,
2.0920

Harmonies

Analogous

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



92.8670, -49.1120, 42.0560



78.8090, 46.2010, 82.3370



74.1190, 91.8220, 76.0300

Triad

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



78.8090, 46.2010, 82.3370



91.9440, 45.9910, -24.0330



91.4840, -86.7440, -13.8480

Complementary

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



78.8090, 46.2010, 82.3370



108.1910, -46.2010, -82.3370

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



78.8090, 46.2010, 82.3370



80.3950, -1.5960, -48.1880

Square

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



78.8090, 46.2010, 82.3370



87.8220, 85.4620, 4.0380



72.0360, -37.4940, -58.4060



95.7650, -102.9320, 4.2040

Rectangle

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



78.8090, 46.2010, 82.3370



69.1030, 105.9460, 62.3460



72.0360, -37.4940, -58.4060



88.9760, -79.6820, -20.6900

Sweetspot

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



78.8090, 46.2010, 82.3370



189.2040, 18.2420, 32.8500



32.8490, -48.7010, 51.1310



91.8790, 11.3670, 19.7750



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



78.8090, 46.2010, 82.3370



92.7250, 65.3140, 115.9220



69.6890, 71.8810, 57.4570



81.6030, 2.7960, 4.3960



61.3800, 42.8550, 76.8950



9.3850, 6.6460, 11.7180

Inverse Universe

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



78.8090, 46.2010, 82.3370



92.7250, 65.3140, 115.9220



117.3110, -71.8810, -57.4570



81.6030, 2.7960, 4.3960



61.3800, 42.8550, 76.8950



9.3850, 6.6460, 11.7180

Previews

White Background



This preview shows how the YIQ color 78.8090, 46.2010, 82.3370 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 78.8090, 46.2010, 82.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

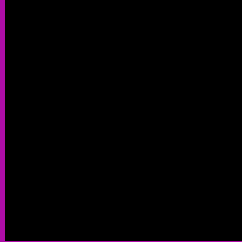
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.8090, 46.2010, 82.3370

Background



This preview shows how black text looks on a background with the YIQ color 78.8090, 46.2010, 82.3370.



This preview shows how white text looks on a background with the YIQ color 78.8090, 46.2010,

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

78.8090, 46.2010, 82.3370

Protanopia

79.4940, -91.5630, 12.9250

Deuteranopia

95.8590, -38.6070, 11.3530



Tritanopia

96.4590, 56.5280, 21.8080

Trichromacy



Original Color

78.8090, 46.2010, 82.3370



Protanomaly

79.2390, -41.5920, 37.9280



Deuteranomaly

89.7790, -8.1220, 37.0780



Tritanomaly

89.9050, 53.1770, 44.0010

Monochromacy



Original Color

78.8090, 46.2010, 82.3370



Achromatopsia

79.0000, -0.0000, 0.0000



Achromatomaly

79.0250, 17.1880, 29.9240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.8090, 46.2010, 82.3370 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(174, 13, 168)` looks like.

```
.text, #text, p{  
    color:rgb(174, 13, 168)  
}
```

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(174, 13, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 13, 168) }
```

Border

The CSS property to change the border of an element to YIQ 78.8090, 46.2010, 82.3370 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(174, 13, 168) }
```


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

```
.border{ border-color:rgb(174, 13, 168) }
```

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

Here you see how a box with a 4 pixel rgb(174, 13, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 13, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 13, 168);  
box-shadow:4px 4px 4px 4px rgb(174, 13,  
168) }
```

Background

The CSS property to change the background color of an element to YIQ 78.8090, 46.2010, 82.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 13, 168) }
```

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

```
.background{ background-color: rgb(174, 13,  
168) }
```

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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