

Converting Colors

YIQ(81.6580, 66.2800, 98.4080)

Have a look what the booklet for
YIQ(81.6580, 66.2800, 98.4080)
contains.

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Color

**YIQ(81.6580, 66.2800,
98.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	CE00B0
RGB	206, 0, 176
RGB Percent	81%, 0%, 69%
CMY	0.1916, 0.9999, 0.3097
CMYK	0.00, 1.00, 0.15, 0.19
HSL	309°, 100%, 40%
HSV	309°, 100%, 81%
XYZ	33.3358, 16.2796, 42.4763
YIQ	81.6580, 66.2800, 98.4080

Conversions

Conversions Part 2

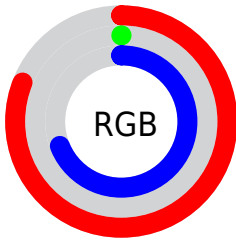
Format	Color
R_{YB}	206, 0, 176
Decimal	13500592
CIE Lab	47.34, 79.60, -36.93
CIE LCh	47, 87.746, 335.109
Yxy	16.2796, 0.3620, 0.1768
Android (android.graphics.Color)	4291690672 (0xFFCE00B0)
YUV	81.6580, 46.5106, 109.0479
Hunter-Lab	40.3480, 76.8689, -34.1740

Details

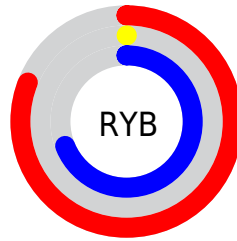
The YIQ color **81.6580, 66.2800, 98.4080** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **124.3420, -66.2800, -98.4080**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **156.6970, 52.2080, 78.0960**, and **57.9750, 48.1290, 69.4170** is the 20% darker color. If you saturate the color by 10%, you get **81.6580, 66.2800, 98.4080**, and if you desaturate by 10%, it is **94.3270, 59.5420, 88.3580**.

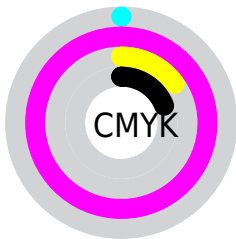
Distribution



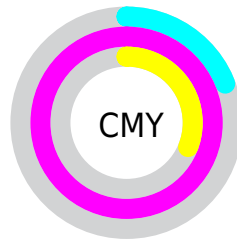
- Red (81%)
- Green (0%)
- Blue (69%)



- Red (81%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (19%)



- Cyan (19%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 81.6580, 66.2800, 98.4080 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 81.6580, 66.2800, 98.4080 by changing the saturation by 10% instead.

81.6580, 66.2800,
98.4080

81.6580, 66.2800,
98.4080

255.0000, -0.0000,
-0.0000

69.6100, 57.0670,
83.6510

156.6970, 52.2080,
78.0960

57.9750, 48.1290,
69.4170

177.5160, 36.3000,
69.0360

46.4540, 38.8700,
55.4940

194.5390, 28.3250,
53.8690

34.9330, 29.6110,
41.5710

212.1490, 20.0750,
38.1790

24.2380, 20.9020,
28.6940

229.7590, 11.8250,
22.4890

12.7600, 10.0840,
15.4920

247.9560, 3.3000,

0.0000, 0.0000,

6.2760

0.0000

■ 81.6580, 66.2800,
98.4080

■ 94.3270, 59.5420,
88.3580

■ 106.4090, 53.0790,
78.8310

■ 119.0780, 46.3410,
68.7810

■ 131.1600, 39.8780,
59.2540

■ 143.8290, 33.1400,
49.2040

■ 156.4980, 26.4020,
39.1540

■ 168.5800, 19.9390,
29.6270

■ 181.2490, 13.2010,
19.5770

■ 193.9180, 6.4630,
9.5270

Harmonies

Analogous

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



111.3800, -28.2070, 54.1690



81.6580, 66.2800, 98.4080



82.0070, 106.9970, 81.8530

Triad

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



81.6580, 66.2800, 98.4080



104.5920, 43.7460, -32.9100



105.2250, -102.0120, -12.4760

Complementary

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



81.6580, 66.2800, 98.4080



124.3420, -66.2800, -98.4080

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.



96.9030, -78.5790, -35.1790



81.6580, 66.2800, 98.4080



87.0740, -14.2940, -60.3580

Square

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



81.6580, 66.2800, 98.4080



104.0360, 87.4350, -4.1890



85.9080, -51.7530, -58.8010



108.1040, -117.0080, 6.0000

Rectangle

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



81.6580, 66.2800, 98.4080



75.7520, 120.2960, 66.6000



85.9080, -51.7530, -58.8010



103.1900, -94.9040, -20.1520

Sweetspot

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



81.6580, 66.2800, 98.4080



209.1340, 24.4310, 36.3270



31.8560, -49.4380, 70.0020



100.2000, 14.8970, 21.8810



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.



81.6580, 66.2800, 98.4080



101.0970, 82.0020, 121.8580



70.2580, 98.3800, 67.3080



96.0160, 3.0710, 4.9190



65.8220, 53.3540, 79.3540



15.1240, 12.0550, 18.3190

Inverse Universe

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



81.6580, 66.2800, 98.4080



101.0970, 82.0020, 121.8580



135.8560, -98.7010, -66.9970



96.0160, 3.0710, 4.9190



65.8220, 53.3540, 79.3540



15.1240, 12.0550, 18.3190

Previews

White Background



This preview shows how the YIQ color 81.6580, 66.2800, 98.4080 looks on a white background.

Color Contrast Check

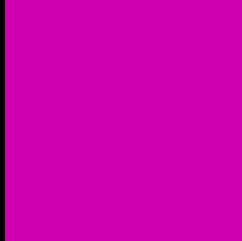
Large Text (above 18pt) WCAG AA ✓ Pass

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 81.6580, 66.2800, 98.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

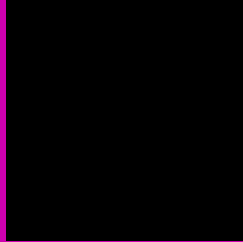
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 81.6580, 66.2800, 98.4080

Background



This preview shows how black text looks on a background with the YIQ color 81.6580, 66.2800, 98.4080.



This preview shows how white text looks on a background with the YIQ color 81.6580, 66.2800,

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

81.6580, 66.2800, 98.4080

Protanopia

91.2460, -105.3640, 15.2440

Deuteranopia

113.2470, -28.0160, 12.1440



Tritanopia

107.7280, 75.0040, 28.3800

Trichromacy



Original Color

81.6580, 66.2800, 98.4080



Protanomaly

87.7970, -42.9230, 45.5330



Deuteranomaly

101.8950, 6.4110, 43.5230



Tritanomaly

98.1680, 71.7900, 53.5980

Monochromacy



Original Color

81.6580, 66.2800, 98.4080



Achromatopsia

82.0000, 0.0000, -0.0000



Achromatomaly

81.7210, 24.1560, 35.8040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 81.6580, 66.2800, 98.4080 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(206, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 176)  
}
```

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(206, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 176) }
```

Border

The CSS property to change the border of an element to YIQ 81.6580, 66.2800, 98.4080 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(206, 0, 176) }
```


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

```
.border{ border-color:rgb(206, 0, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 0, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
176) }
```

Background

The CSS property to change the background color of an element to YIQ 81.6580, 66.2800, 98.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 176) }
```

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

```
.background{ background-color: rgb(206, 0,  
176) }
```

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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