

Converting Colors

YIQ(80.7700, 94.6630, 85.1190)

Have a look what the booklet for
YIQ(80.7700, 94.6630, 85.1190)
contains.

YIQ(80.7700, 94.6630, 85.1190)	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(80.7700, 94.6630,
85.1190)**

Conversions

Conversions Part 1

Format	Color
Hex	E00079
RGB	224, 0, 121
RGB Percent	88%, 0%, 47%
CMY	0.1210, 0.9998, 0.5252
CMYK	0.00, 1.00, 0.46, 0.12
HSL	328°, 100%, 44%
HSV	328°, 100%, 88%
XYZ	34.2442, 17.2543, 19.6378
YIQ	80.7700, 94.6630, 85.1190

Conversions

Conversions Part 2

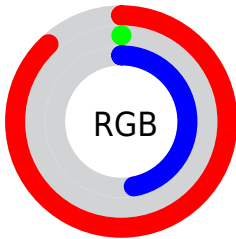
Format	Color
R_{YB}	224, 0, 121
Decimal	14680185
CIE _{Lab}	48.58, 77.43, -1.66
CIE _{LCh}	49, 77.444, 358.775
Yxy	17.2543, 0.4814, 0.2426
Android (android.graphics.Color)	4292870265 (0xFFE00079)
YUV	80.7700, 19.8334, 125.6127
Hunter-Lab	41.5383, 74.4632, 1.0466

Details

The YIQ color **80.7700, 94.6630, 85.1190** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **143.2300, -94.6630, -85.1190**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.5580, 70.8720, 59.2240**, and **56.7600, 73.1190, 57.0470** is the 20% darker color. If you saturate the color by 10%, you get **80.7700, 94.6630, 85.1190**, and if you desaturate by 10%, it is **94.8240, 85.4030, 76.7230**.

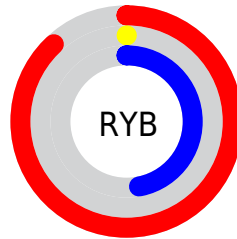
Distribution



Red (88%)

Green (0%)

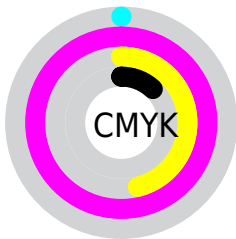
Blue (47%)



Red (88%)

Yellow (0%)

Blue (47%)

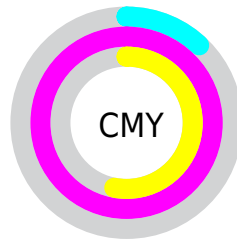


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 80.7700, 94.6630, 85.1190 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 80.7700, 94.6630, 85.1190 by changing the saturation by 10% instead.


 80.7700, 94.6630,
85.1190


 80.7700, 94.6630,
85.1190


255.0000, -0.0000,
-0.0000


 68.6510, 84.2120,
70.7720


 150.5580, 70.8720,
59.2240


 56.7600, 73.1190,
57.0470


 171.8330, 53.6800,
51.4080


 45.2820, 62.3010,
43.8450


 192.7490, 36.1210,
44.7370

 33.9180, 51.1620,
30.9540

 213.3230, 19.5250,
37.1330

 22.5820, 42.8200,
16.9320

 230.9330, 11.2750,
21.4430

 12.3730, 24.1150,
9.0030

 248.5430, 3.0250,

 0.0000, 0.0000,

5.7530

0.0000

■ 80.7700, 94.6630,
85.1190

■ 94.8240, 85.4030,
76.7230

■ 109.5790, 75.5470,
68.1150

■ 123.6330, 66.2870,
59.7190

■ 138.2740, 56.7520,
50.8000

■ 152.4420, 47.1710,
42.7150

■ 167.0830, 37.6360,
33.7960

■ 181.1370, 28.3760,
25.4000

■ 195.3050, 18.7950,
17.3150

■ 209.9460, 9.2600,
8.3960

Harmonies

Analogous

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



111.6470, 37.3090, 67.2690



80.7700, 94.6630, 85.1190



95.7690, 103.2900, 44.3940

Triad

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



80.7700, 94.6630, 85.1190



98.7460, 10.4170, -51.1430



106.9980, -111.1380, -1.2660

Complementary

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



80.7700, 94.6630, 85.1190



143.2300, -94.6630, -85.1190

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.



104.1190, -96.1420, -19.7420



80.7700, 94.6630, 85.1190



85.5660, -50.7900, -59.7340

Square

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



80.7700, 94.6630, 85.1190



108.5010, 54.4280, -28.2600



96.0080, -74.6810, -39.7450



101.6470, -113.9830, 11.7530

Rectangle

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



80.7700, 94.6630, 85.1190



102.6560, 100.7290, 8.1930



96.0080, -74.6810, -39.7450



107.1630, -107.4690, -7.1890

Sweetspot

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



80.7700, 94.6630, 85.1190



206.3980, 32.1350, 28.8630



55.7350, -11.7080, 91.0760



98.4900, 19.7120, 17.2160



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.



80.7700, 94.6630, 85.1190



91.9770, 107.6820, 96.9780



68.2300, 129.9730, 50.9090



104.9730, 4.6300, 4.1980



63.4540, 74.4010, 66.8570



17.3160, 20.2620, 18.2620

Inverse Universe

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



80.7700, 94.6630, 85.1190



91.9770, 107.6820, 96.9780



155.7700, -129.9730, -50.9090



104.9730, 4.6300, 4.1980



63.4540, 74.4010, 66.8570



17.3160, 20.2620, 18.2620

Previews

White Background



This preview shows how the YIQ color 80.7700, 94.6630, 85.1190 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 80.7700, 94.6630, 85.1190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

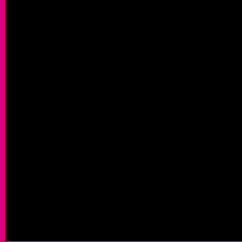
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.7700, 94.6630, 85.1190

Background



This preview shows how black text looks on a background with the YIQ color 80.7700, 94.6630, 85.1190.



This preview shows how white text looks on a background with the YIQ color 80.7700, 94.6630,

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

80.7700, 94.6630, 85.1190

Protanopia

116.3440, -29.6670, 14.5330

Deuteranopia

118.2680, 11.0490, 3.5050



Tritanopia

99.5420, 102.1910, 36.7750

Trichromacy



Original Color

80.7700, 94.6630, 85.1190



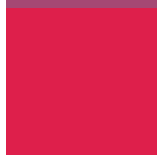
Protanomaly

103.2780, 15.3980, 40.3420



Deuteranomaly

104.7090, 41.6250, 33.0890



Tritanomaly

93.1250, 99.7120, 54.1760

Monochromacy



Original Color

80.7700, 94.6630, 85.1190



Achromatopsia

81.0000, -0.0000, 0.0000



Achromatomaly

81.2350, 34.1520, 30.8560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.7700, 94.6630, 85.1190 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(224, 0, 121)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 121)  
}
```

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(224, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 121) }
```

Border

The CSS property to change the border of an element to YIQ 80.7700, 94.6630, 85.1190 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(224, 0, 121) }
```


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

```
.border{ border-color:rgb(224, 0, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
121) }
```

Background

The CSS property to change the background color of an element to YIQ 80.7700, 94.6630, 85.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 121) }
```

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

```
.background{ background-color: rgb(224, 0,  
121) }
```

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