

Converting Colors

YIQ(87.2480, 24.1100, 36.6380)

Have a look what the booklet for
YIQ(87.2480, 24.1100, 36.6380)
contains.

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Color

**YIQ(87.2480, 24.1100,
36.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	85397B
RGB	133, 57, 123
RGB Percent	52%, 22%, 48%
CMY	0.4782, 0.7766, 0.5176
CMYK	0.00, 0.57, 0.08, 0.48
HSL	308°, 40%, 37%
HSV	308°, 57%, 52%
XYZ	14.7192, 9.3446, 19.7705
YIQ	87.2480, 24.1100, 36.6380

Conversions

Conversions Part 2

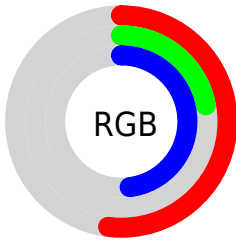
Format	Color
R_{YB}	133, 57, 123
Decimal	8731003
CIE _{Lab}	36.64, 41.61, -22.50
CIE _{LCh}	37, 47.302, 331.604
Yxy	9.3446, 0.3358, 0.2132
Android (android.graphics.Color)	4286921083 (0xFF85397B)
YUV	87.2480, 17.6257, 40.1245
Hunter-Lab	30.5690, 32.4537, -16.9476

Details

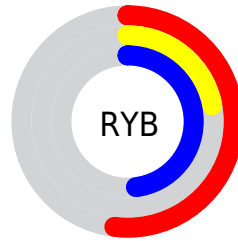
The YIQ color **87.2480, 24.1100, 36.6380** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **102.7520, -24.1100, -36.6380**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.6720, 25.8520, 38.1080**, and **32.6550, 24.5220, 40.1860** is the 20% darker color. If you saturate the color by 10%, you get **79.3890, 28.3270, 42.8150**, and if you desaturate by 10%, it is **95.1070, 19.8930, 30.4610**.

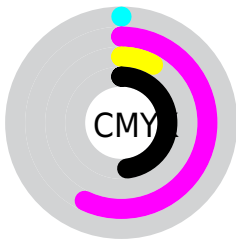
Distribution



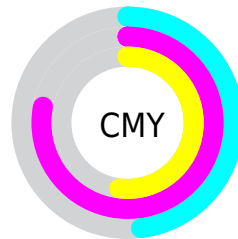
- Red (52%)
- Green (22%)
- Blue (48%)



- Red (52%)
- Yellow (22%)
- Blue (48%)



- Cyan (0%)
- Magenta (57%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (78%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.2480, 24.1100, 36.6380 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 87.2480, 24.1100, 36.6380 by changing the saturation by 10% instead.

87.2480, 24.1100,
36.6380

87.2480, 24.1100,
36.6380

255.0000, -0.0000,
-0.0000

61.3620, 23.7890,
36.9490

139.6720, 25.8520,
38.1080

32.6550, 24.5220,
40.1860

166.6830, 27.3190,
39.0550

22.5580, 17.0050,
27.7330

194.3950, 28.1900,
39.7900

13.2870, 10.0380,
16.3260

216.2580, 18.1500,
34.5180

0.0000, 0.0000,
0.0000

232.6940, 10.4500,
19.8740

249.7170, 2.4750,

4.7070

■ 87.2480, 24.1100,
36.6380

■ 87.2480, 24.1100,
36.6380

■ 79.3890, 28.3270,
42.8150

■ 95.1070, 19.8930,
30.4610

■ 70.9430, 32.8190,
49.5150

■ 103.5530, 15.4010,
23.7610

■ 63.1980, 36.7150,
56.0030

■ 111.2980, 11.5050,
17.2730

■ 55.3390, 40.9320,
62.1800

■ 119.1570, 7.2880,
11.0960

■ 52.8770, 42.3530,
63.9610

■ 127.6030, 2.7960,
4.3960

■ 135.4620, -1.4210,
-1.7810

■ 143.2070, -5.3170,
-8.2690

■ 151.0660, -9.5340,
-14.4460

■ 159.5120,
-14.0260, -21.1460

Harmonies

Analogous

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



87.5510, -16.6480, 26.3920



87.2480, 24.1100, 36.6380



82.2540, 50.3360, 34.9120

Triad

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



87.2480, 24.1100, 36.6380



80.3930, 37.4170, -22.8310



74.7110, -68.4500, -14.9940

Complementary

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



87.2480, 24.1100, 36.6380



102.7520, -24.1100, -36.6380

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.



70.3790, -56.2520, -26.8120



87.2480, 24.1100, 36.6380



76.0410, 8.8090, -33.0070

Square

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



87.2480, 24.1100, 36.6380



82.2680, 54.6070, -3.9610



64.7590, -43.1830, -37.8950



75.5550, -76.3380, -4.1940

Rectangle

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



87.2480, 24.1100, 36.6380



81.4640, 58.1320, 25.7800



64.7590, -43.1830, -37.8950



73.9300, -64.8730, -19.2490

Sweetspot

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



87.2480, 24.1100, 36.6380



155.6350, 8.9380, 14.2340



68.3550, -19.0320, 25.5440



76.0920, 5.9130, 8.4810



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



87.2480, 24.1100, 36.6380



101.4370, 37.5400, 57.5720



83.0300, 35.9870, 25.1310



62.3640, 1.9710, 2.8270



51.7520, 41.2070, 62.7030



1.1250, 1.1460, 1.2580

Inverse Universe

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



87.2480, 24.1100, 36.6380



101.4370, 37.5400, 57.5720



106.9700, -35.9870, -25.1310



62.3640, 1.9710, 2.8270



51.7520, 41.2070, 62.7030



1.1250, 1.1460, 1.2580

Previews

White Background



This preview shows how the YIQ color 87.2480, 24.1100, 36.6380 looks on a white background.

Color Contrast Check

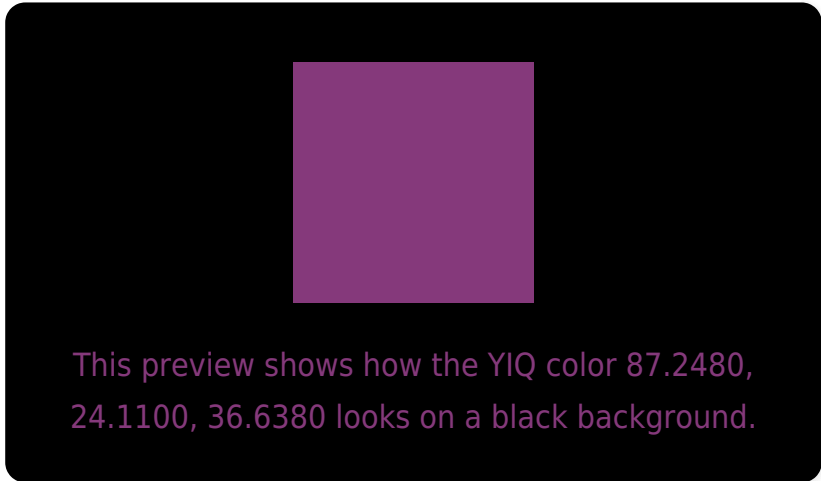
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

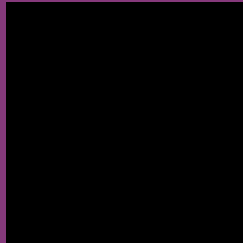
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.2480, 24.1100, 36.6380

Background



This preview shows how black text looks on a background with the YIQ color 87.2480, 24.1100, 36.6380.



This preview shows how white text looks on a background with the YIQ color 87.2480, 24.1100,

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

87.2480, 24.1100, 36.6380

Protanopia

84.8920, -34.2060, 14.1940

Deuteranopia

87.2560, -15.0400, 8.2560



Tritanopia

87.2110, 33.5590, 14.0630

Trichromacy



Original Color

87.2480, 24.1100, 36.6380

Protanomaly

85.7700, -13.0710, 22.1370

Deuteranomaly

87.0070, -0.7370, 18.8710

Tritanomaly

87.5130, 30.0730, 22.1770

Monochromacy



Original Color

87.2480, 24.1100, 36.6380

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.1080, 8.9840, 13.4000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.2480, 24.1100, 36.6380 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(133, 57, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 57, 123)  
}
```

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(133, 57, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 57, 123) }
```

Border

The CSS property to change the border of an element to YIQ 87.2480, 24.1100, 36.6380 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(133, 57, 123) }
```


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

```
.border{ border-color:rgb(133, 57, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 57, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 57, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 57, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 57,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 87.2480, 24.1100, 36.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 57, 123) }
```

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

```
.background{ background-color: rgb(133, 57,  
123) }
```

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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