

Converting Colors

YIQ(89.2800, 2.7480, 16.2840)

Have a look what the booklet for
YIQ(89.2800, 2.7480, 16.2840)
contains.

YIQ(89.2800, 2.7480, 16.2840)	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(89.2800, 2.7480,
16.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	664E72
RGB	102, 78, 114
RGB Percent	40%, 31%, 45%
CMY	0.5999, 0.6941, 0.5530
CMYK	0.11, 0.32, 0.00, 0.55
HSL	280°, 19%, 38%
HSV	280°, 32%, 45%
XYZ	11.2425, 9.4881, 17.1571
YIQ	89.2800, 2.7480, 16.2840

Conversions

Conversions Part 2

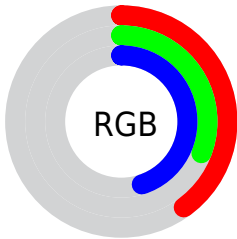
Format	Color
R_{YB}	102, 78, 114
Decimal	6704754
CIE _{Lab}	36.91, 17.39, -16.81
CIE _{LCh}	37, 24.183, 315.979
Yxy	9.4881, 0.2967, 0.2504
Android (android.graphics.Color)	4284894834 (0xFF664E72)
YUV	89.2800, 12.1870, 11.1554
Hunter-Lab	30.8028, 11.2444, -11.4625

Details

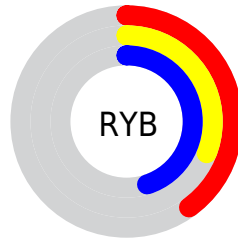
The YIQ color **89.2800, 2.7480, 16.2840** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **102.7200, -2.7480, -16.2840**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.2200, 2.9770, 17.6410**, and **43.0410, 1.9230, 14.7150** is the 20% darker color. If you saturate the color by 10%, you get **81.6270, 3.3890, 21.1890**, and if you desaturate by 10%, it is **96.9330, 2.1070, 11.3790**.

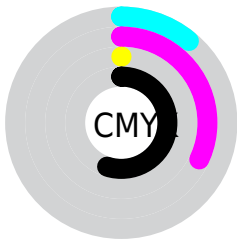
Distribution



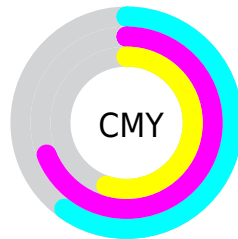
- Red (40%)
- Green (31%)
- Blue (45%)



- Red (40%)
- Yellow (31%)
- Blue (45%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (69%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.2800, 2.7480, 16.2840 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 89.2800, 2.7480, 16.2840 by changing the saturation by 10% instead.

■ 89.2800, 2.7480,
16.2840

■ 89.2800, 2.7480,
16.2840

■ 255.0000, -0.0000,
-0.0000

■ 65.7530, 2.7940,
15.4500

■ 139.2200, 2.9770,
17.6410

■ 43.0410, 1.9230,
14.7150

■ 165.6330, 3.2520,
18.1640

■ 21.6280, 1.6480,
14.1920

■ 193.0460, 3.5270,
18.6870

■ 2.6220, -7.3830,
7.1530

■ 221.4590, 3.8020,
19.2100

■ 0.0000, 0.0000,
0.0000

■ 243.8470, 5.2250,
9.9370

■ 89.2800, 2.7480,
16.2840

■ 89.2800, 2.7480,
16.2840

■ 81.6270, 3.3890,
21.1890

■ 96.9330, 2.1070,
11.3790

■ 73.3870, 4.3050,
26.6170

■ 105.1730, 1.1910,
5.9510

■ 66.0330, 5.5420,
31.7340

■ 112.5270, -0.0460,
0.8340

■ 57.7930, 6.4580,
37.1620

■ 120.7670, -0.9620,
-4.5940

■ 50.1400, 7.0990,
42.0670

■ 128.4200, -1.6030,
-9.4990

■ 42.4870, 7.7400,
46.9720

■ 136.0730, -2.2440,
-14.4040

■ 35.7200, 8.7020,
51.5660

■ 144.3130, -3.1600,
-19.8320

■ 151.6670, -4.3970,

-24.9490

■ 159.9070, -5.3130,
-30.3770

Harmonies

Analogous

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



86.4560, -18.4790, 10.0090



89.2800, 2.7480, 16.2840



89.4900, 19.7120, 17.2160

Triad

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



89.2800, 2.7480, 16.2840



86.3000, 25.2180, -5.4860



70.0900, -53.6400, -19.0800

Complementary

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



89.2800, 2.7480, 16.2840



102.7200, -2.7480, -16.2840

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.



78.2750, -26.3600, -17.8800



89.2800, 2.7480, 16.2840



84.4400, 12.8400, -12.4400

Square

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



89.2800, 2.7480, 16.2840



87.3320, 31.3600, 4.3520



81.9370, -4.8570, -16.6090



69.3480, -62.9940, -14.7540

Rectangle

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



89.2800, 2.7480, 16.2840



88.3290, 27.4150, 15.2790



81.9370, -4.8570, -16.6090



73.4780, -43.0490, -18.2890

Sweetspot

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



89.2800, 2.7480, 16.2840



138.8740, 0.5950, 5.7390



89.1480, -14.8560, 4.9200



68.4070, 0.4120, 3.5480



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



89.2800, 2.7480, 16.2840



109.4470, 4.0760, 25.2600



92.1840, 11.8260, 16.9620



51.8800, 0.4580, 2.7140



37.6000, 9.1600, 54.2800



77.4930, 19.0530, 111.7970

Inverse Universe

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



90.1320, 17.6040, 11.3640



110.7960, 27.5980, 17.4700



99.8160, -11.8260, -16.9620



52.0220, 2.9340, 1.8940



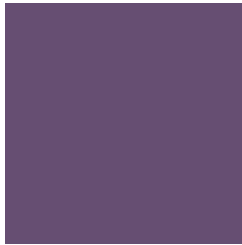
40.4400, 58.6800, 37.8800



83.2010, 120.8900, 77.8660

Previews

White Background



This preview shows how the YIQ color 89.2800, 2.7480, 16.2840 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



This preview shows how the YIQ color 89.2800, 2.7480, 16.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

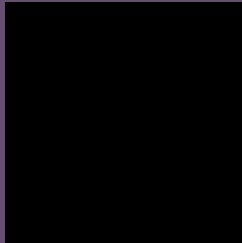
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.2800, 2.7480, 16.2840

Background



This preview shows how black text looks on a background with the YIQ color 89.2800, 2.7480, 16.2840.



This preview shows how white text looks on a background with the YIQ color 89.2800, 2.7480,

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

89.2800, 2.7480, 16.2840

Protanopia

87.1850, -16.2780, 8.6660

Deuteranopia

87.8820, -11.0510, 7.5490



Tritanopia

88.1690, 7.0140, 5.0460

Trichromacy



Original Color

89.2800, 2.7480, 16.2840

Protanomaly

87.8870, -9.4470, 11.5210

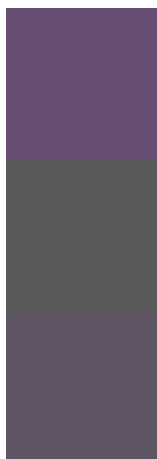
Deuteranomaly

88.2140, -6.0540, 10.6020

Tritanomaly

88.3200, 5.2710, 9.1030

Monochromacy



Original Color

89.2800, 2.7480, 16.2840

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.1730, 1.1910, 5.9510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.2800, 2.7480, 16.2840 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(102, 78, 114)` looks like.

```
.text, #text, p{  
    color:rgb(102, 78, 114)  
}
```

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(102, 78, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 78, 114) }
```

Border

The CSS property to change the border of an element to YIQ 89.2800, 2.7480, 16.2840 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(102, 78, 114) }
```


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

```
.border{ border-color:rgb(102, 78, 114) }
```

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

Here you see how a box with a 4 pixel rgb(102, 78, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 78, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 78, 114);  
box-shadow:4px 4px 4px 4px rgb(102, 78,  
114) }
```

Background

The CSS property to change the background color of an element to YIQ 89.2800, 2.7480, 16.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 78, 114) }
```

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

```
.background{ background-color: rgb(102, 78,  
114) }
```

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