

Converting Colors

YIQ(87.2930, 1.8740, 32.1300)

Have a look what the booklet for
YIQ(87.2930, 1.8740, 32.1300)
contains.

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Color

**YIQ(87.2930, 1.8740,
32.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	6D428C
RGB	109, 66, 140
RGB Percent	43%, 26%, 55%
CMY	0.5724, 0.7412, 0.4510
CMYK	0.22, 0.53, 0.00, 0.45
HSL	275°, 36%, 40%
HSV	275°, 53%, 55%
XYZ	12.9912, 9.0410, 25.8664
YIQ	87.2930, 1.8740, 32.1300

Conversions

Conversions Part 2

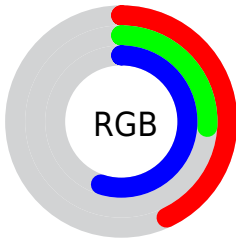
Format	Color
R _{YB}	109, 66, 140
Decimal	7160460
CIE _{Lab}	36.06, 33.15, -34.10
CIE _{LCh}	36, 47.558, 314.186
Y _{xy}	9.0410, 0.2712, 0.1888
Android (android.graphics.Color)	4285350540 (0xFF6D428C)
YUV	87.2930, 25.9846, 19.0370
Hunter-Lab	30.0683, 24.5025, -29.9567

Details

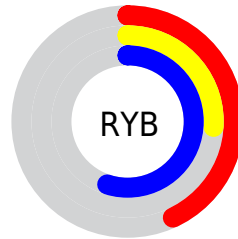
The YIQ color **87.2930, 1.8740, 32.1300** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **118.7070, -1.8740, -32.1300**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.0590, 2.6530, 34.5330**, and **38.6410, 0.7740, 30.0380** is the 20% darker color. If you saturate the color by 10%, you get **77.2810, 2.1480, 38.1800**, and if you desaturate by 10%, it is **97.3050, 1.6000, 26.0800**.

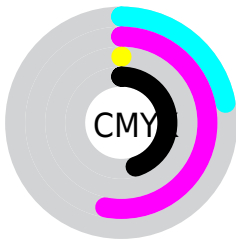
Distribution



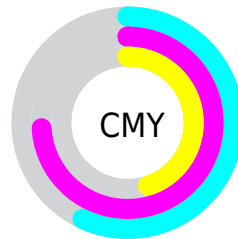
- Red (43%)
- Green (26%)
- Blue (55%)



- Red (43%)
- Yellow (26%)
- Blue (55%)



- Cyan (22%)
- Magenta (53%)
- Yellow (0%)
- Black (45%)



- Cyan (57%)
- Magenta (74%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.2930, 1.8740, 32.1300 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 87.2930, 1.8740, 32.1300 by changing the saturation by 10% instead.

87.2930, 1.8740,
32.1300

87.2930, 1.8740,
32.1300

255.0000, -0.0000,
-0.0000

62.4670, 1.3240,
31.0840

138.0590, 2.6530,
34.5330

38.9400, 1.3700,
30.2500

164.8850, 3.2030,
35.5790

17.5760, -0.6010,
27.4230

192.4120, 3.1570,
36.4130

6.3970, -10.8230,
14.4330

217.9750, 11.4570,
29.1610

2.9810, -7.0160,
6.0080

236.8030, 8.5250,
16.2130

0.0000, 0.0000,
0.0000

253.8260, 0.5500,

1.0460

■ 87.2930, 1.8740,
32.1300

■ 87.2930, 1.8740,
32.1300

■ 77.2810, 2.1480,
38.1800

■ 97.3050, 1.6000,
26.0800

■ 67.2690, 2.4220,
44.2300

■ 107.3170, 1.3260,
20.0300

■ 57.2570, 2.6960,
50.2800

■ 117.3290, 1.0520,
13.9800

■ 47.5440, 3.5660,
56.5420

■ 127.0420, 0.1820,
7.7180

■ 40.1790, 3.3360,
60.7120

■ 137.0540, -0.0920,
1.6680

■ 147.0660, -0.3660,
-4.3820

■ 157.0780, -0.6400,
-10.4320

■ 167.0900, -0.9140,
-16.4820

■ 177.1020, -1.1880,
-22.5320

Harmonies

Analogous

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



76.7140, -54.1960, 13.0360



87.2930, 1.8740, 32.1300



83.7180, 37.4060, 37.9660

Triad

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



87.2930, 1.8740, 32.1300



80.1930, 50.0240, -14.5200



71.5020, -60.7920, -21.6240

Complementary

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



87.2930, 1.8740, 32.1300



118.7070, -1.8740, -32.1300

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.



66.4690, -47.9980, -33.2300



87.2930, 1.8740, 32.1300



77.9570, 26.7810, -28.3150

Square

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



87.2930, 1.8740, 32.1300



81.1520, 58.4100, 9.7220



71.9340, -9.9430, -34.5750



74.9050, -71.7520, -10.2160

Rectangle

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



87.2930, 1.8740, 32.1300



80.5100, 52.4910, 34.4030



71.9340, -9.9430, -34.5750



70.0200, -56.6190, -25.6670

Sweetspot

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



87.2930, 1.8740, 32.1300



160.3890, 0.8230, 12.6230



93.2200, -32.5540, 6.2780



79.3410, 0.7780, 7.9300



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



87.2930, 1.8740, 32.1300



99.7300, 2.7420, 49.4460



95.9920, 21.9550, 37.1470



63.9940, 0.1370, 3.0250



38.1850, 3.1990, 57.6870



1.4670, 0.1830, 2.1910

Inverse Universe

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



91.6600, 34.1530, 25.3290



106.5580, 52.5360, 39.0960



110.0080, -21.9550, -37.1470



64.4350, 3.2090, 2.4170



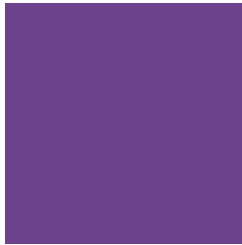
46.0370, 61.6130, 45.3010



1.7230, 2.3380, 1.6820

Previews

White Background



This preview shows how the YIQ color 87.2930, 1.8740, 32.1300 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 87.2930, 1.8740, 32.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

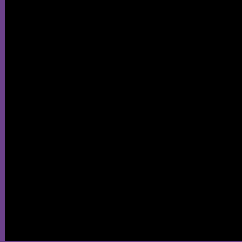
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.2930, 1.8740, 32.1300

Background



This preview shows how black text looks on a background with the YIQ color 87.2930, 1.8740, 32.1300.



This preview shows how white text looks on a background with the YIQ color 87.2930, 1.8740,

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

87.2930, 1.8740, 32.1300

Protanopia

80.8570, -44.2930, 15.2830

Deuteranopia

82.1430, -33.6550, 9.7130



Tritanopia

86.6640, 9.9940, 6.1060

Trichromacy



Original Color

87.2930, 1.8740, 32.1300

Protanomaly

83.2290, -27.6050, 21.2190

Deuteranomaly

83.8290, -20.7270, 17.7130

Tritanomaly

86.9060, 6.7370, 15.5770

Monochromacy



Original Color

87.2930, 1.8740, 32.1300

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.8620, 0.8690, 11.7890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.2930, 1.8740, 32.1300 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(109, 66, 140)` looks like.

```
.text, #text, p{  
    color:rgb(109, 66, 140)  
}
```

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(109, 66, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 66, 140) }
```

Border

The CSS property to change the border of an element to YIQ 87.2930, 1.8740, 32.1300 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(109, 66, 140) }
```


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

```
.border{ border-color:rgb(109, 66, 140) }
```

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

Here you see how a box with a 4 pixel rgb(109, 66, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 66, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 66, 140);  
box-shadow:4px 4px 4px 4px rgb(109, 66,  
140) }
```

Background

The CSS property to change the background color of an element to YIQ 87.2930, 1.8740, 32.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 66, 140) }
```

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

```
.background{ background-color: rgb(109, 66,  
140) }
```

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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