

Converting Colors

YIQ(166.3830, 28.4640, 45.8400)

Have a look what the booklet for
YIQ(166.3830, 28.4640, 45.8400)
contains.

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Color

**YIQ(166.3830, 28.4640,
45.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	DE81D5
RGB	222, 129, 213
RGB Percent	87%, 51%, 84%
CMY	0.1291, 0.4942, 0.1647
CMYK	0.00, 0.42, 0.04, 0.13
HSL	306°, 59%, 69%
HSV	306°, 42%, 87%
XYZ	50.0025, 36.0356, 67.2791
YIQ	166.3830, 28.4640, 45.8400

Conversions

Conversions Part 2

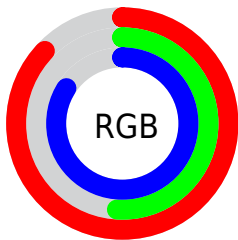
Format	Color
RYB	222, 129, 213
Decimal	14582229
CIELab	66.55, 47.83, -28.03
CIElCh	67, 55.434, 329.631
Yxy	36.0356, 0.3261, 0.2350
Android (android.graphics.Color)	4292772309 (0xFFDE81D5)
YUV	166.3830, 22.9822, 48.7761
Hunter-Lab	60.0297, 43.6320, -24.4293

Details

The YIQ color **166.3830, 28.4640, 45.8400** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **184.6170, -28.4640, -45.8400**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.3230, 19.5250, 37.1330**, and **111.9590, 26.7220, 44.3700** is the 20% darker color. If you saturate the color by 10%, you get **153.2410, 35.1560, 56.7240**, and if you desaturate by 10%, it is **179.5250, 21.7720, 34.9560**.

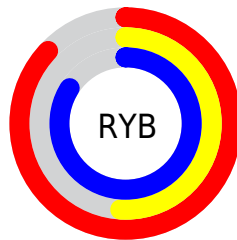
Distribution



Red (87%)

Green (51%)

Blue (84%)



Red (87%)

Yellow (51%)

Blue (84%)

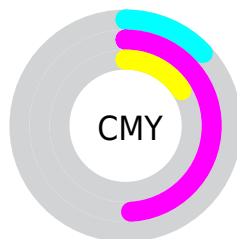


Cyan (0%)

Magenta (42%)

Yellow (4%)

Black (13%)



Cyan (13%)

Magenta (49%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.3830, 28.4640, 45.8400 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 166.3830, 28.4640, 45.8400 by changing the saturation by 10% instead.

166.3830, 28.4640,
45.8400

166.3830, 28.4640,
45.8400

255.0000, -0.0000,
-0.0000

138.6710, 27.5930,
45.1050

213.3230, 19.5250,
37.1330

111.9590, 26.7220,
44.3700

229.7590, 11.8250,
22.4890

85.6600, 26.1260,
44.1580

246.7820, 3.8500,
7.3220

57.6000, 26.3550,
45.5150

34.4640, 23.7420,
43.3100

24.2530, 16.5460,
30.5460

14.8680, 9.9000,

18.8280

■ 1.3680, -3.8520,
3.7320

■ 0.0000, 0.0000,
0.0000

■ 166.3830, 28.4640,
45.8400

■ 166.3830, 28.4640,
45.8400

■ 153.2410, 35.1560,
56.7240

■ 179.5250, 21.7720,
34.9560

■ 140.0990, 41.8480,
67.6080

■ 192.6670, 15.0800,
24.0720

■ 126.3700, 48.8150,
79.0150

■ 206.3960, 8.1130,
12.6650

■ 113.1140, 55.8280,
89.5880

■ 219.6520, 1.1000,
2.0920

■ 99.9720, 62.5200,
100.4720

■ 232.7940, -5.5920,
-8.7920

■ 89.1780, 68.1120,
109.2640

■ 241.8270,
-10.3590, -16.0150

■ 242.0550,
-11.0010, -15.3930

■ 242.2830,
-11.6430, -14.7710

■ 242.5110,
-12.2850, -14.1490

Harmonies

Analogous

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



164.2870, -24.3520, 33.8560



166.3830, 28.4640, 45.8400



163.1250, 64.1810, 42.8130

Triad

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



166.3830, 28.4640, 45.8400



156.5270, 51.5390, -25.4610



133.1220, -118.5600, -31.9680

Complementary

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



166.3830, 28.4640, 45.8400



184.6170, -28.4640, -45.8400

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.



127.4220, -102.5100, -47.5180



166.3830, 28.4640, 45.8400



151.3910, 13.3950, -39.0290

Square

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



166.3830, 28.4640, 45.8400



159.3150, 73.5880, -1.0360



140.7880, -42.1270, -46.0230



133.8180, -128.7870, -17.3230

Rectangle

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



166.3830, 28.4640, 45.8400



161.3200, 76.3330, 31.8290



140.7880, -42.1270, -46.0230



131.2980, -113.4240, -36.9440

Sweetspot

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



166.3830, 28.4640, 45.8400



235.2870, 10.0380, 16.3260



141.9940, -25.0850, 30.6190



115.4450, 6.4170, 10.3610



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.



166.3830, 28.4640, 45.8400



179.0830, 38.7770, 62.6890



161.2530, 42.9090, 31.8450



105.4290, 3.3460, 5.4420



70.7500, 53.8570, 86.7610



19.3680, 14.4840, 23.8600

Inverse Universe

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



166.3830, 28.4640, 45.8400



179.0830, 38.7770, 62.6890



189.7470, -42.9090, -31.8450



105.4290, 3.3460, 5.4420



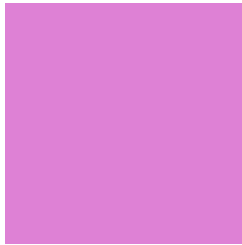
70.7500, 53.8570, 86.7610



19.3680, 14.4840, 23.8600

Previews

White Background



This preview shows how the YIQ color 166.3830, 28.4640, 45.8400 looks on a white background.

Color Contrast Check

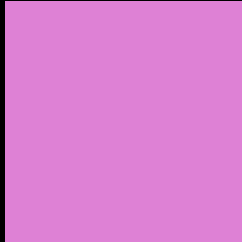
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 166.3830, 28.4640, 45.8400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

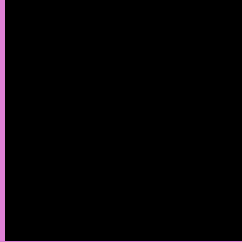
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 166.3830, 28.4640, 45.8400

Background



This preview shows how black text looks on a background with the YIQ color 166.3830, 28.4640, 45.8400.



This preview shows how white text looks on a background with the YIQ color 166.3830, 28.4640,

45.8400.

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

166.3830, 28.4640, 45.8400

Protanopia

161.9010, -38.4250, 19.0710

Deuteranopia

163.0910, -18.7090, 14.1790



Tritanopia

165.0810, 39.9770, 18.8970

Trichromacy



Original Color

166.3830, 28.4640, 45.8400



Protanomaly

163.6870, -14.0350, 28.5970



Deuteranomaly

164.3370, -1.4260, 25.8540



Tritanomaly

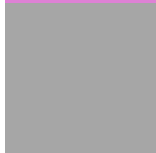
165.5510, 36.0780, 28.9900

Monochromacy



Original Color

166.3830, 28.4640, 45.8400



Achromatopsia

166.0000, -0.0000, 0.0000



Achromatomaly

166.2870, 10.0380, 16.3260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.3830, 28.4640, 45.8400 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(222, 129, 213)` looks like.

```
.text, #text, p{  
    color:rgb(222, 129, 213)  
}
```

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(222, 129, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 129, 213) }
```

Border

The CSS property to change the border of an element to YIQ 166.3830, 28.4640, 45.8400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

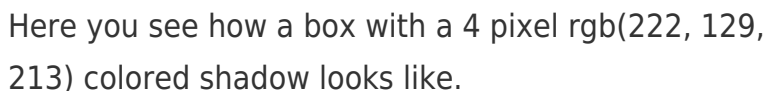
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 129, 213) }
```


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

```
.border{ border-color:rgb(222, 129, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(222, 129, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 129, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 129, 213); box-shadow:4px 4px 4px 4px rgb(222, 129, 213) }
```

Background

The CSS property to change the background color of an element to YIQ 166.3830, 28.4640, 45.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 129, 213) }
```

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

```
.background{ background-color: rgb(222,  
129, 213) }
```

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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