

# Converting Colors

YIQ(128.0610, 25.5340, 21.8380)

Have a look what the booklet for  
YIQ(128.0610, 25.5340, 21.8380)  
contains.

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# Color

**YIQ(128.0610, 25.5340,  
21.8380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A66B89
RGB	166, 107, 137
RGB Percent	65%, 42%, 54%
CMY	0.3489, 0.5805, 0.4627
CMYK	0.00, 0.36, 0.17, 0.35
HSL	329°, 25%, 54%
HSV	329°, 36%, 65%
XYZ	25.5063, 20.4283, 26.2731
YIQ	128.0610, 25.5340, 21.8380

# Conversions

## Conversions Part 2

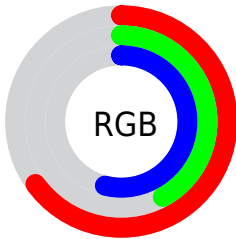
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 107, 137
Decimal	10906505
CIE Lab	52.32, 28.03, -6.72
CIE LCh	52, 28.828, 346.514
Yxy	20.4283, 0.3532, 0.2829
Android (android.graphics.Color)	4289096585 (0xFFA66B89)
YUV	128.0610, 4.4069, 33.2725
Hunter-Lab	45.1977, 21.6364, -2.8265

# Details

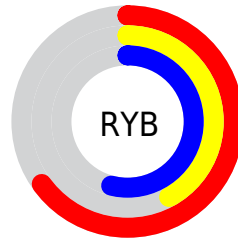
The YIQ color  $128.0610, 25.5340, 21.8380$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $144.9390, -25.5340, -21.8380$ , and the grayscale version is  $128.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $181.3710, 27.5970, 22.9970$ , and  $77.7510, 23.4710, 20.6790$  is the 20% darker color. If you saturate the color by 10%, you get  $117.1700, 32.7770, 28.2410$ , and if you desaturate by 10%, it is  $138.9520, 18.2910, 15.4350$ .

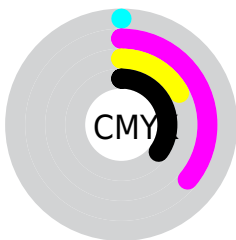
# Distribution



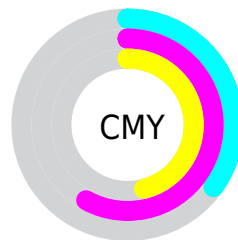
- Red (65%)
- Green (42%)
- Blue (54%)



- Red (65%)
- Yellow (42%)
- Blue (54%)



- Cyan (0%)
- Magenta (36%)
- Yellow (17%)
- Black (35%)




- Cyan (35%)
- Magenta (58%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.0610, 25.5340, 21.8380 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 128.0610, 25.5340, 21.8380 by changing the saturation by 10% instead.





 128.0610, 25.5340,  
21.8380


 128.0610, 25.5340,  
21.8380


255.0000, -0.0000,  
-0.0000


 102.4630, 24.3420,  
21.4140


 181.3710, 27.5970,  
22.9970


 77.7510, 23.4710,  
20.6790


 209.0830, 28.4680,  
23.7320

 53.8540, 21.6830,  
20.0430

 230.0210, 13.8430,  
18.9550

 30.0820, 21.0410,  
20.6650

 247.9560, 3.3000,  
6.2760

 14.7670, 17.3740,  
15.5340

 0.0000, 0.0000,  
0.0000

128.0610, 25.5340,  
21.8380

128.0610, 25.5340,  
21.8380

117.1700, 32.7770,  
28.2410

138.9520, 18.2910,  
15.4350

106.8660, 39.7450,  
34.1210

149.2560, 11.3230,  
9.5550

95.9750, 46.9880,  
40.5240

160.1470, 4.0800,  
3.1520

85.5570, 54.2770,  
46.0930

170.5650, -3.2090,  
-2.4170

74.6660, 61.5200,  
52.4960

181.4560,  
-10.4520, -8.8200

63.7750, 68.7630,  
58.8990


192.3470,  
-17.6950, -15.2230

59.2100, 71.9720,  
61.3160

202.6510,  
-24.6630, -21.1030

213.5420,

-31.9060, -27.5060

 223.2590,  
-38.5990, -32.8630

# Harmonies

## Analogous

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



128.3990, 4.0310, 20.5670



128.0610, 25.5340, 21.8380



126.7170, 38.0060, 16.0700

# Triad

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



128.0610, 25.5340, 21.8380



122.1860, 16.3710, -15.8610



107.9390, -69.0920, -14.3720

# Complementary

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



128.0610, 25.5340, 21.8380



144.9390, -25.5340, -21.8380

# 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.



107.8010, -60.1960, -21.4120



128.0610, 25.5340, 21.8380



118.8180, -6.1400, -20.8920

# Square

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



128.0610, 25.5340, 21.8380



123.7800, 32.5540, -6.2780



113.8180, -32.5030, -22.1910



117.7340, -48.9210, 0.0310



# Rectangle

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



128.0610, 25.5340, 21.8380



126.1700, 40.8040, 9.4120



113.8180, -32.5030, -22.1910



106.2330, -70.1000, -18.1320

# Sweetspot

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



128.0610, 25.5340, 21.8380



201.5440, 10.4520, 8.8200



122.3970, -1.6550, 24.4970



100.3970, 6.3720, 5.6680



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



128.0610, 25.5340, 21.8380



157.1650, 40.3410, 34.3330



124.7550, 34.8430, 12.8190



78.8480, 3.4840, 2.9400



52.8020, 64.1330, 54.7010



7.1200, 8.7100, 7.3500



# Inverse Universe

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



128.0610, 25.5340, 21.8380



157.1650, 40.3410, 34.3330



148.2450, -34.8430, -12.8190



78.8480, 3.4840, 2.9400



52.8020, 64.1330, 54.7010

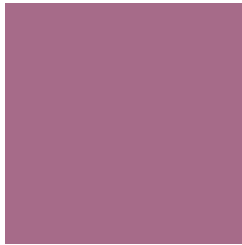


7.1200, 8.7100, 7.3500



# Previews

## White Background



This preview shows how the YIQ color 128.0610, 25.5340, 21.8380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

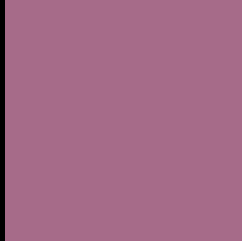
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 128.0610, 25.5340, 21.8380 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 × Fail

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

# YIQ 128.0610, 25.5340, 21.8380

## Background



This preview shows how black text looks on a background with the YIQ color 128.0610, 25.5340, 21.8380.



This preview shows how white text looks on a background with the YIQ color 128.0610, 25.5340,



# 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

128.0610, 25.5340, 21.8380

### Protanopia

125.5400, -10.0880, 6.6160

### Deuteranopia

126.6570, 2.7040, 6.0640



## Tritanopia

127.1720, 29.2950, 14.2470

# Trichromacy



## Original Color

128.0610, 25.5340, 21.8380

## Protanomaly

126.6450, 2.9780, 12.1140

## Deuteranomaly

127.4240, 10.9100, 11.5340

## Tritanomaly

127.6820, 27.9190, 17.1590

# Monochromacy



## Original Color

128.0610, 25.5340, 21.8380

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

127.8320, 9.5810, 8.0850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.0610, 25.5340, 21.8380 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(166, 107, 137)` looks like.

```
.text, #text, p{  
    color:rgb(166, 107, 137)  
}
```

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(166, 107, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 107, 137) }
```

## Border

The CSS property to change the border of an element to YIQ 128.0610, 25.5340, 21.8380 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(166, 107, 137) }
```



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

```
.border{ border-color:rgb(166, 107, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 107, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 107, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 107, 137);  
box-shadow:4px 4px 4px 4px rgb(166, 107,  
137) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.0610, 25.5340, 21.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 107, 137) }
```

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

```
.background{ background-color: rgb(166,  
107, 137) }
```

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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