

# Converting Colors

YIQ(201.6720, 16.6840, 28.0440)

Have a look what the booklet for  
YIQ(201.6720, 16.6840, 28.0440)  
contains.

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# Color

**YIQ(201.6720, 16.6840,  
28.0440)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | EBB3E7                     |
| RGB           | 235, 179, 231              |
| RGB Percent   | 92%, 70%, 91%              |
| CMY           | 0.0783, 0.2981, 0.0941     |
| CMYK          | 0.00, 0.24, 0.02, 0.08     |
| HSL           | 304°, 58%, 81%             |
| HSV           | 304°, 24%, 92%             |
| XYZ           | 64.8150, 55.6701, 82.9355  |
| YIQ           | 201.6720, 16.6840, 28.0440 |

# Conversions

## Conversions Part 2

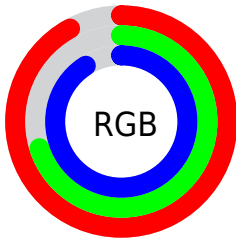
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 235, 179, 231                 |
| Decimal                             | 15447015                      |
| CIE Lab                             | 79.43, 28.78, -18.12          |
| CIE LCh                             | 79, 34.012, 327.799           |
| Yxy                                 | 55.6701, 0.3186,<br>0.2737    |
| Android<br>(android.graphics.Color) | 4293637095<br>(0xFFEBB3E7)    |
| YUV                                 | 201.6720, 14.4587,<br>29.2287 |
| Hunter-Lab                          | 74.6124, 24.4895,<br>-13.6752 |

# Details

The YIQ color  $201.6720, 16.6840, 28.0440$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $212.3280, -16.6840, -28.0440$ , and the grayscale version is  $202.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $243.2600, 5.5000, 10.4600$ , and  $147.4330, 15.8590, 26.4750$  is the 20% darker color. If you saturate the color by 10%, you get  $187.3560, 23.9260, 39.9740$ , and if you desaturate by 10%, it is  $215.4010, 9.7170, 16.6370$ .

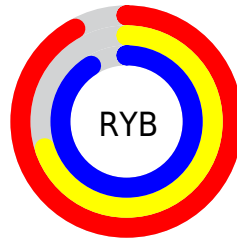
# Distribution



Red (92%)

Green (70%)

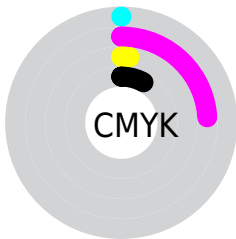
Blue (91%)



Red (92%)

Yellow (70%)

Blue (91%)

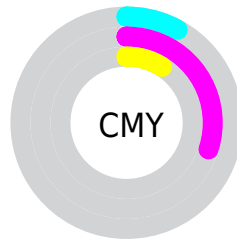


Cyan (0%)

Magenta (24%)

Yellow (2%)

Black (8%)



Cyan (8%)

Magenta (30%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 201.6720, 16.6840, 28.0440 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 201.6720, 16.6840, 28.0440 by changing the saturation by 10% instead.



201.6720, 16.6840,  
28.0440

201.6720, 16.6840,  
28.0440

255.0000, -0.0000,  
-0.0000

174.2590, 16.4090,  
27.5210

243.2600, 5.5000,  
10.4600

147.4330, 15.8590,  
26.4750

120.8350, 14.6670,  
26.0510

96.0090, 14.1170,  
25.0050

71.2970, 13.2460,  
24.2700

47.8840, 12.9710,  
23.7470

23.9980, 12.6500,

24.0580

■ 12.9880, 9.4420,  
16.1140

■ 0.0000, 0.0000,  
0.0000

■ 201.6720, 16.6840,  
28.0440

■ 201.6720, 16.6840,  
28.0440

■ 187.3560, 23.9260,  
39.9740

■ 215.4010, 9.7170,  
16.6370

■ 173.7410, 30.5720,  
51.6920

■ 229.6030, 2.7960,  
4.3960

■ 159.4250, 37.8140,  
63.6220

■ 243.3320, -4.1710,  
-7.0110

■ 145.6960, 44.7810,  
75.0290

■ 247.0820, -6.4630,  
-9.5270

131.4940, 51.7020,  
87.2700

247.1960, -6.7840,  
-9.2160

117.7650, 58.6690,  
98.6770

247.4240, -7.4260,  
-8.5940

103.4490, 65.9110,  
110.6070

247.6520, -8.0680,  
-7.9720

95.1170, 70.0820,  
117.6180

247.8800, -8.7100,  
-7.3500

247.9940, -9.0310,  
-7.0390

# Harmonies

## Analogous

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



198.9870, -15.1800, 21.8120



201.6720, 16.6840, 28.0440



200.5960, 40.2050, 25.7810

# Triad

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



201.6720, 16.6840, 28.0440



195.1190, 35.6730, -13.2470



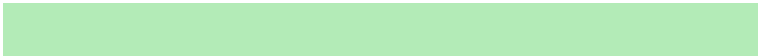
179.3740, -75.0510, -22.0190

# Complementary

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



201.6720, 16.6840, 28.0440



212.3280, -16.6840, -28.0440

# 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.



182.0050, -52.2630, -27.5190



201.6720, 16.6840, 28.0440



191.9200, 11.0080, -23.2960

# Square

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



201.6720, 16.6840, 28.0440



197.6900, 50.6630, 1.4390



187.4740, -20.0310, -27.9590



183.6600, -72.4400, -8.7600



# Rectangle

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



201.6720, 16.6840, 28.0440



198.7890, 46.6710, 18.7270



187.4740, -20.0310, -27.9590



179.4300, -69.4570, -24.2810

# Sweetspot

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



201.6720, 16.6840, 28.0440



244.3200, 5.2710, 9.1030



186.5800, -15.5920, 18.2640



121.4290, 3.3460, 5.4420



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.



201.6720, 16.6840, 28.0440



210.9920, 21.9550, 37.1470



198.4800, 25.6720, 19.3360



110.4290, 3.3460, 5.4420



73.2710, 53.9480, 90.6200



21.8460, 16.1340, 26.9980



# Inverse Universe

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



201.6720, 16.6840, 28.0440



210.9920, 21.9550, 37.1470



215.5200, -25.6720, -19.3360



110.4290, 3.3460, 5.4420



73.2710, 53.9480, 90.6200



21.8460, 16.1340, 26.9980



# Previews

## White Background



This preview shows how the YIQ color 201.6720, 16.6840, 28.0440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

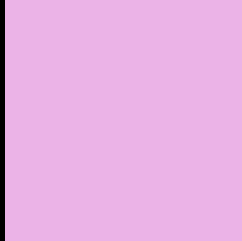
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 201.6720, 16.6840, 28.0440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

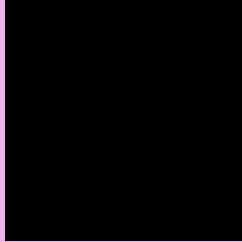
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 201.6720, 16.6840, 28.0440

## Background



This preview shows how black text looks on a background with the YIQ color 201.6720, 16.6840, 28.0440.



This preview shows how white text looks on a background with the YIQ color 201.6720, 16.6840,



# 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

201.6720, 16.6840, 28.0440

### Protanopia

197.6670, -20.4510, 12.7090

### Deuteranopia

198.7950, -6.1920, 13.1040



## Tritanopia

200.3500, 22.9220, 14.1060

# Trichromacy



## Original Color

201.6720, 16.6840, 28.0440



## Protanomaly

199.0710, -6.7890, 18.4190



## Deuteranomaly

199.5620, 2.0140, 18.5740



## Tritanomaly

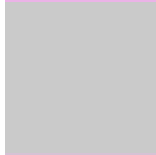
200.8430, 20.2160, 19.0960

# Monochromacy



## Original Color

201.6720, 16.6840, 28.0440



## Achromatopsia

202.0000, -0.0000, 0.0000



## Achromatomaly

202.1460, 5.8210, 10.1490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 201.6720, 16.6840, 28.0440 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(235, 179, 231)` looks like.

```
.text, #text, p{  
    color:rgb(235, 179, 231)  
}
```

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(235, 179, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 179, 231) }
```

## Border

The CSS property to change the border of an element to YIQ 201.6720, 16.6840, 28.0440 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(235, 179, 231) }
```



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

```
.border{ border-color:rgb(235, 179, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 179, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 179, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 179, 231);  
box-shadow:4px 4px 4px 4px rgb(235, 179,  
231) }
```

# Background

The CSS property to change the background color of an element to YIQ 201.6720, 16.6840, 28.0440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 179, 231) }
```

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

```
.background{ background-color: rgb(235,  
179, 231) }
```

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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