

# Converting Colors

YIQ(203.7660, 1.9200, 31.2960)

Have a look what the booklet for  
YIQ(203.7660, 1.9200, 31.2960)  
contains.

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# Color

**YIQ(203.7660, 1.9200,  
31.2960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1B7FF
RGB	225, 183, 255
RGB Percent	88%, 72%, 100%
CMY	0.1175, 0.2824, 0.0000
CMYK	0.12, 0.28, 0.00, 0.00
HSL	275°, 100%, 86%
HSV	275°, 28%, 100%
XYZ	66.0408, 57.0925, 102.1366
YIQ	203.7660, 1.9200, 31.2960

# Conversions

## Conversions Part 2

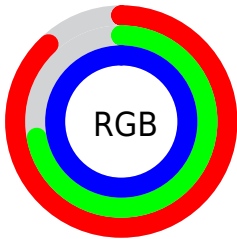
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 183, 255
Decimal	14792703
CIE Lab	80.23, 28.06, -29.86
CIE LCh	80, 40.981, 313.219
Yxy	57.0925, 0.2932, 0.2534
Android (android.graphics.Color)	4292982783 (0xFFE1B7FF)
YUV	203.7660, 25.2584, 18.6222
Hunter-Lab	75.5596, 23.7838, -27.2528

# Details

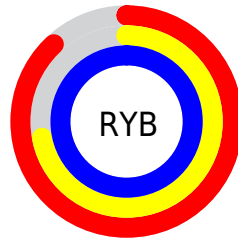
The YIQ color  $203.7660, 1.9200, 31.2960$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $234.2340, -1.9200, -31.2960$ , and the grayscale version is  $204.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $245.6080, 4.4000, 8.3680$ , and  $149.4130, 1.4160, 29.4160$  is the 20% darker color. If you saturate the color by 10%, you get  $185.2150, 2.5140, 42.5620$ , and if you desaturate by 10%, it is  $221.7300, 1.6010, 20.5530$ .

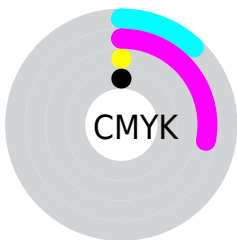
# Distribution



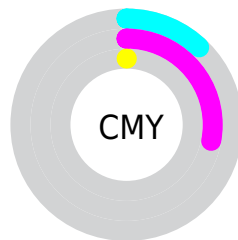
- Red (88%)
- Green (72%)
- Blue (100%)



- Red (88%)
- Yellow (72%)
- Blue (100%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 203.7660, 1.9200, 31.2960 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 203.7660, 1.9200, 31.2960 by changing the saturation by 10% instead.




 203.7660, 1.9200,  
31.2960

 203.7660, 1.9200,  
31.2960

255.0000, -0.0000,  
-0.0000

 176.2390, 1.9660,  
30.4620


 245.6080, 4.4000,  
8.3680

 149.4130, 1.4160,  
29.4160

 123.0000, 1.1410,  
28.8930

 98.0600, 0.9120,  
27.5360

 73.2340, 0.3620,  
26.4900

 49.7070, 0.4080,  
25.6560

 26.8810, -0.1420,

24.6100

■ 12.8330, -0.1870,  
19.9170

■ 3.4370, -8.3000,  
7.2520

■ 203.7660, 1.9200,  
31.2960

■ 203.7660, 1.9200,  
31.2960

■ 185.2150, 2.5140,  
42.5620

■ 221.7300, 1.6010,  
20.5530

■ 167.5500, 3.4290,  
53.5170

■ 239.9820, 0.4110,  
9.0750

■ 148.9990, 4.0230,  
64.7830

■ 255.0000, -0.0000,  
-0.0000

■ 131.3340, 4.9380,  
75.7380

■ 112.7830, 5.5320,  
87.0040

■ 94.8190, 5.8510,  
97.7470

■ 76.5670, 7.0410,  
109.2250

■ 73.6210, 6.9490,  
110.8930

# Harmonies

## Analogous

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



196.1370, -33.5180, 12.7380



203.7660, 1.9200, 31.2960



202.5170, 33.4180, 33.1460

# Triad

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



203.7660, 1.9200, 31.2960



197.9640, 52.4070, -8.1450



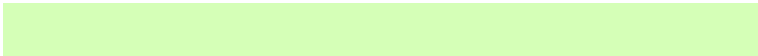
173.3840, -90.1790, -34.2030

# Complementary

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



203.7660, 1.9200, 31.2960



234.2340, -1.9200, -31.2960

# 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.



183.0130, -46.7140, -34.4740



203.7660, 1.9200, 31.2960



194.7880, 28.9350, -23.2970

# Square

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



203.7660, 1.9200, 31.2960



197.0160, 55.7970, 7.5170



189.9670, -5.5420, -31.7340



170.8290, -110.1250, -25.1410



# Rectangle

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



203.7660, 1.9200, 31.2960



197.7920, 42.5890, 26.6290



189.9670, -5.5420, -31.7340



176.9850, -75.8740, -34.6420

# Sweetspot

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



203.7660, 1.9200, 31.2960



240.8680, 0.7320, 8.7640



208.8180, -31.3620, 6.7020



118.5750, -0.0010, 5.5270



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.



203.7660, 1.9200, 31.2960



193.1670, 2.4690, 37.8690



212.0520, 21.7260, 35.7900



118.5750, -0.0010, 5.5270



55.2620, 5.4410, 83.1450



18.3590, 1.5080, 27.7480



# Inverse Universe

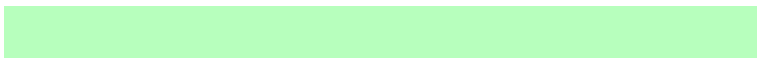
The Inverse Universe completely reimagines the original color for something new.



207.9480, 33.2820, 24.5940



198.1170, 40.2960, 29.6400



225.9480, -21.7260, -35.7900



119.4570, 6.1430, 4.3110



66.2290, 88.1560, 65.3720

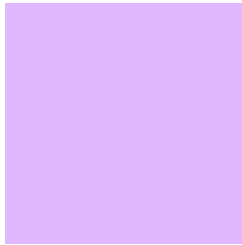


22.2140, 29.4770, 21.9650



# Previews

## White Background



This preview shows how the YIQ color 203.7660, 1.9200, 31.2960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

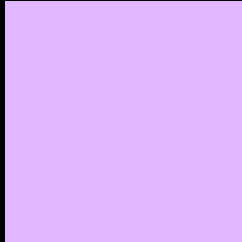
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 203.7660, 1.9200, 31.2960 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 203.7660, 1.9200, 31.2960

## Background



This preview shows how black text looks on a background with the YIQ color 203.7660, 1.9200, 31.2960.



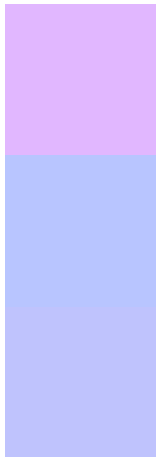
This preview shows how white text looks on a background with the YIQ color 203.7660, 1.9200,

31.2960.

# 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

203.7660, 1.9200, 31.2960

### Protanopia

199.7250, -26.3660, 15.2820

### Deuteranopia

200.4160, -21.0020, 17.1900



## Tritanopia

201.1850, 10.0850, 9.9650

# Trichromacy



## Original Color

203.7660, 1.9200, 31.2960



## Protanomaly

201.2750, -16.0510, 21.0770



## Deuteranomaly

201.7700, -13.0710, 22.1370



## Tritanomaly

202.2590, 7.2410, 17.4570

# Monochromacy



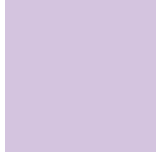
## Original Color

203.7660, 1.9200, 31.2960



## Achromatopsia

204.0000, -0.0000, -0.0000



## Achromatomaly

203.8620, 0.8690, 11.7890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 203.7660, 1.9200, 31.2960 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(225, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 183, 255)  
}
```

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(225, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 183, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 203.7660, 1.9200, 31.2960 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(225, 183, 255) }
```



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

```
.border{ border-color:rgb(225, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 183,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 203.7660, 1.9200, 31.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 183, 255) }
```

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

```
.background{ background-color: rgb(225,  
183, 255) }
```

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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