

# Converting Colors

YIQ(160.2070, 22.1870, 21.9230)

Have a look what the booklet for  
YIQ(160.2070, 22.1870, 21.9230)  
contains.

<b>YIQ(160.2070, 22.1870, 21.9230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(160.2070, 22.1870,  
21.9230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C38CAD
RGB	195, 140, 173
RGB Percent	76%, 55%, 68%
CMY	0.2351, 0.4511, 0.3215
CMYK	0.00, 0.28, 0.11, 0.24
HSL	324°, 31%, 66%
HSV	324°, 28%, 76%
XYZ	39.4347, 33.3744, 43.9067
YIQ	160.2070, 22.1870, 21.9230

# Conversions

## Conversions Part 2

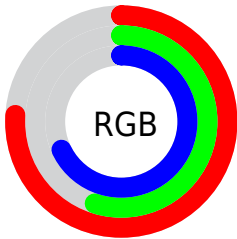
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 140, 173
Decimal	12815533
CIELab	64.46, 26.10, -9.03
CIElCh	64, 27.616, 340.915
Yxy	33.3744, 0.3379, 0.2859
Android (android.graphics.Color)	4291005613 (0xFFC38CAD)
YUV	160.2070, 6.3069, 30.5135
Hunter-Lab	57.7706, 20.7472, -4.6221

# Details

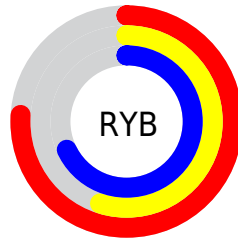
The YIQ color **160.2070, 22.1870, 21.9230** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **174.7930, -22.1870, -21.9230**, and the grayscale version is **160.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **215.2180, 23.6540, 22.8700**, and **108.1960, 20.7200, 20.9760** is the 20% darker color. If you saturate the color by 10%, you get **147.5550, 30.2550, 29.8950**, and if you desaturate by 10%, it is **172.2720, 14.3940, 14.4740**.

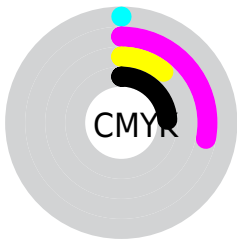
# Distribution



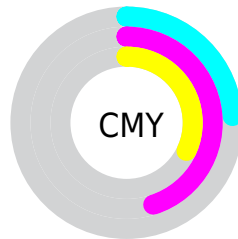
- Red (76%)
- Green (55%)
- Blue (68%)



- Red (76%)
- Yellow (55%)
- Blue (68%)



- Cyan (0%)
- Magenta (28%)
- Yellow (11%)
- Black (24%)




- Cyan (24%)
- Magenta (45%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 160.2070, 22.1870, 21.9230 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 160.2070, 22.1870, 21.9230 by changing the saturation by 10% instead.





 160.2070, 22.1870,  
21.9230

 160.2070, 22.1870,  
21.9230


255.0000, -0.0000,  
-0.0000


 133.4950, 21.3160,  
21.1880


 215.2180, 23.6540,  
22.8700


 108.1960, 20.7200,  
20.9760


 235.6290, 9.0750,  
17.2590

 83.1850, 19.2530,  
20.0290

 252.6520, 1.1000,  
2.0920

 59.4730, 18.3820,  
19.2940

 36.2880, 17.4650,  
19.3930

 15.8640, 15.7230,  
17.9230

 1.7940, 3.5760,

1.2720

■ 0.0000, 0.0000,  
0.0000

■ 160.2070, 22.1870,  
21.9230

■ 160.2070, 22.1870,  
21.9230

■ 147.5550, 30.2550,  
29.8950

■ 172.2720, 14.3940,  
14.4740

■ 135.4900, 38.0480,  
37.3440

■ 184.9240, 6.3260,  
6.5020

■ 122.9520, 45.7950,  
45.6270

■ 196.8750, -1.1460,  
-1.2580

■ 110.8870, 53.5880,  
53.0760

■ 209.5270, -9.2140,  
-9.2300

■ 98.2350, 61.6560,  
61.0480

■ 222.1790,  
-17.2820, -17.2020

86.1700, 69.4490,  
68.4970

233.0700,  
-24.5250, -23.6050

73.5180, 77.5170,  
76.4690

233.9820,  
-27.0930, -21.1170

71.6430, 78.6630,  
77.7270

234.7800,  
-29.3400, -18.9400

235.6920,  
-31.9080, -16.4520

# Harmonies

## Analogous

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



159.5340, -0.7830, 19.7050



160.2070, 22.1870, 21.9230



159.4720, 37.3180, 17.5260

# Triad

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



160.2070, 22.1870, 21.9230



154.3930, 20.2220, -14.0660



143.6690, -59.4640, -12.6480

# Complementary

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



160.2070, 22.1870, 21.9230



174.7930, -22.1870, -21.9230

# 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.



143.7160, -49.6510, -19.7870



160.2070, 22.1870, 21.9230



150.6830, -1.3260, -20.0300

# Square

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



160.2070, 22.1870, 21.9230



156.2150, 35.7630, -3.8610



147.6400, -26.1300, -22.0500



149.2070, -48.8750, -0.8030



# Rectangle

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



160.2070, 22.1870, 21.9230



158.5230, 41.3080, 11.2920



147.6400, -26.1300, -22.0500



143.1590, -58.0880, -15.5600

# Sweetspot

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



160.2070, 22.1870, 21.9230



239.3480, 8.0680, 7.9720



152.5490, -5.1390, 21.5570



119.6850, 5.5010, 4.9330



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.



160.2070, 22.1870, 21.9230



198.2290, 34.2890, 33.8810



157.1290, 30.8540, 13.5260



90.6740, 4.0340, 3.9860



59.0830, 65.1400, 63.9880



12.1470, 13.2480, 13.2160



# Inverse Universe

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



160.2070, 22.1870, 21.9230



198.2290, 34.2890, 33.8810



177.8710, -30.8540, -13.5260



90.6740, 4.0340, 3.9860



59.0830, 65.1400, 63.9880

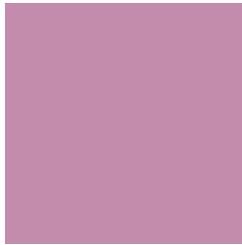


12.1470, 13.2480, 13.2160



# Previews

## White Background



This preview shows how the YIQ color 160.2070, 22.1870, 21.9230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

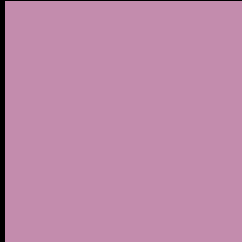
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 160.2070, 22.1870, 21.9230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

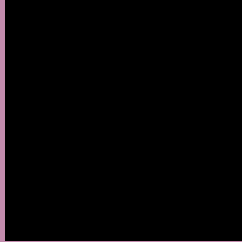
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 160.2070, 22.1870, 21.9230

## Background



This preview shows how black text looks on a background with the YIQ color 160.2070, 22.1870, 21.9230.



This preview shows how white text looks on a background with the YIQ color 160.2070, 22.1870,

21.9230.

# 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

160.2070, 22.1870, 21.9230

### Protanopia

156.9960, -11.3720, 7.8600

### Deuteranopia

158.0530, 1.6490, 8.6650



## Tritanopia

159.2040, 26.2690, 14.0210

# Trichromacy



## Original Color

160.2070, 22.1870, 21.9230

## Protanomaly

158.3890, 0.8230, 12.6230

## Deuteranomaly

159.1080, 8.9840, 13.4000

## Tritanomaly

159.7140, 24.8930, 16.9330

# Monochromacy



## Original Color

160.2070, 22.1870, 21.9230

## Achromatopsia

160.0000, 0.0000, -0.0000

## Achromatomaly

160.3480, 8.0680, 7.9720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 160.2070, 22.1870, 21.9230 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(195, 140, 173)` looks like.

```
.text, #text, p{  
    color:rgb(195, 140, 173)  
}
```

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(195, 140, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 140, 173) }
```

## Border

The CSS property to change the border of an element to YIQ 160.2070, 22.1870, 21.9230 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(195, 140, 173) }
```



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

```
.border{ border-color:rgb(195, 140, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 140, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 140, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 140, 173); box-shadow:4px 4px 4px 4px rgb(195, 140, 173) }
```

# Background

The CSS property to change the background color of an element to YIQ 160.2070, 22.1870, 21.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 140, 173) }
```

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

```
.background{ background-color: rgb(195,  
140, 173) }
```

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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