

# Converting Colors

YIQ(164.2720, -2.8010, 23.2390)

Have a look what the booklet for  
YIQ(164.2720, -2.8010, 23.2390)  
contains.

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# Color

**YIQ(164.2720, -2.8010,  
23.2390)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B096CF                     |
| RGB         | 176, 150, 207              |
| RGB Percent | 69%, 59%, 81%              |
| CMY         | 0.3097, 0.4118, 0.1883     |
| CMYK        | 0.15, 0.28, 0.00, 0.19     |
| HSL         | 267°, 37%, 70%             |
| HSV         | 267°, 28%, 81%             |
| XYZ         | 40.0755, 35.5466, 63.7714  |
| YIQ         | 164.2720, -2.8010, 23.2390 |

# Conversions

## Conversions Part 2

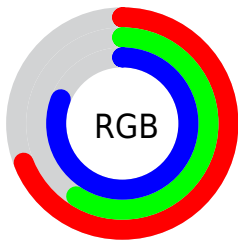
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 176, 150, 207                 |
| Decimal                             | 11572943                      |
| CIE <sub>Lab</sub>                  | 66.17, 20.74, -25.66          |
| CIE <sub>LCh</sub>                  | 66, 32.993, 308.949           |
| Yxy                                 | 35.5466, 0.2875,<br>0.2550    |
| Android<br>(android.graphics.Color) | 4289763023<br>(0xFFB096CF)    |
| YUV                                 | 164.2720, 21.0649,<br>10.2855 |
| Hunter-Lab                          | 59.6209, 15.6460,<br>-21.6828 |

# Details

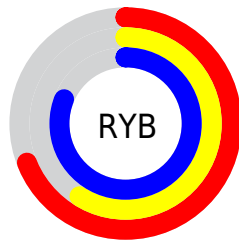
The YIQ color  $164.2720, -2.8010, 23.2390$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $192.7280, 2.8010, -23.2390$ , and the grayscale version is  $164.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $218.1860, 0.3170, 21.7970$ , and  $112.2180, -2.7090, 21.5710$  is the 20% darker color. If you saturate the color by 10%, you get  $148.6560, -3.5820, 31.8900$ , and if you desaturate by 10%, it is  $179.8880, -2.0200, 14.5880$ .

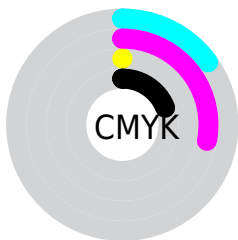
# Distribution



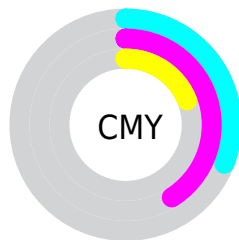
- Red (69%)
- Green (59%)
- Blue (81%)



- Red (69%)
- Yellow (59%)
- Blue (81%)



- Cyan (15%)
- Magenta (28%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (41%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.2720, -2.8010, 23.2390 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 164.2720, -2.8010, 23.2390 by changing the saturation by 10% instead.





 164.2720, -2.8010,  
23.2390


 164.2720, -2.8010,  
23.2390


255.0000, -0.0000,  
-0.0000


 137.7450, -2.7550,  
22.4050


 218.1860, 0.3170,  
21.7970


 112.2180, -2.7090,  
21.5710

 242.0860, 6.0500,  
11.5060

 87.3920, -3.2590,  
20.5250

 63.8650, -3.2130,  
19.6910

 41.0390, -3.7630,  
18.6450

 19.2130, -4.3130,  
17.5990

 3.6480, -10.2720,

9.9520

■ 0.4560, -1.2840,  
1.2440

■ 0.0000, 0.0000,  
0.0000

■ 164.2720, -2.8010,  
23.2390

■ 164.2720, -2.8010,  
23.2390

■ 148.6560, -3.5820,  
31.8900

■ 179.8880, -2.0200,  
14.5880

■ 133.6270, -4.6380,  
40.0180

■ 195.2160, -0.3680,  
6.6720

■ 117.7120, -6.0150,  
48.4570

■ 210.8320, 0.4130,  
-1.9790

■ 102.0960, -6.7960,  
57.1080

■ 226.4480, 1.1940,  
-10.6300

■ 86.4800, -7.5770,  
65.7590

■ 241.4770, 2.2500,  
-18.7580

■ 71.4510, -8.6330,  
73.8870

■ 245.9400, 8.2560,  
-17.4720

■ 55.5360, -10.0100,  
82.3260

■ 249.5280, 15.4080,  
-14.9280

■ 52.0030, -9.8270,  
84.5170

# Harmonies

## Analogous

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



159.5390, -34.7100, 12.3140



164.2720, -2.8010, 23.2390



165.2230, 25.2580, 26.8420

# Triad

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



164.2720, -2.8010, 23.2390



160.8090, 42.7780, -4.3420



143.4970, -62.3960, -25.5960

# Complementary

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



164.2720, -2.8010, 23.2390



192.7280, 2.8010, -23.2390

# 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.



149.6670, -30.7600, -26.2480



164.2720, -2.8010, 23.2390



158.1500, 25.2200, -16.5400

# Square

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



164.2720, -2.8010, 23.2390



162.7750, 49.2860, 9.8780



154.6460, 0.0960, -23.7760



141.3290, -79.1780, -18.8100



# Rectangle

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



164.2720, -2.8010, 23.2390



164.1720, 38.4630, 24.3110



154.6460, 0.0960, -23.7760



145.9450, -52.0340, -26.1620

# Sweetspot

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



164.2720, -2.8010, 23.2390



239.9710, -1.0560, 8.1280



174.6950, -26.8220, 1.5140



118.2760, -0.5970, 5.3150



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.



164.2720, -2.8010, 23.2390



191.9380, -4.3160, 34.1800



172.6440, 13.8870, 29.1750



96.7490, -0.5510, 4.4810



42.1750, -8.0360, 68.5720



10.3550, -1.8370, 16.7790



# Inverse Universe

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



170.5770, 24.0210, 21.7250



201.3600, 35.2980, 32.1140



184.3560, -13.8870, -29.1750



97.9730, 4.6300, 4.1980



60.6060, 70.9170, 63.9170



14.7670, 17.3740, 15.5340



# Previews

## White Background



This preview shows how the YIQ color 164.2720, -2.8010, 23.2390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

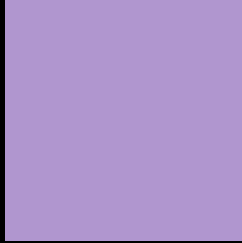
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 164.2720, -2.8010, 23.2390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

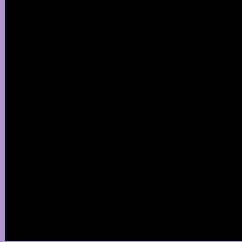
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 164.2720, -2.8010, 23.2390

## Background



This preview shows how black text looks on a background with the YIQ color 164.2720, -2.8010, 23.2390.



This preview shows how white text looks on a background with the YIQ color 164.2720, -2.8010,



# 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

164.2720, -2.8010, 23.2390

### Protanopia

161.3830, -25.4030, 14.3490

### Deuteranopia

161.8630, -18.0670, 13.5570



## Tritanopia

162.2550, 3.8960, 6.4880

# Trichromacy



## Original Color

164.2720, -2.8010, 23.2390

## Protanomaly

162.5690, -17.0590, 17.3170

## Deuteranomaly

162.6080, -12.7950, 17.1330

## Tritanomaly

162.6880, 1.4190, 12.8350

# Monochromacy



## Original Color

164.2720, -2.8010, 23.2390

## Achromatopsia

164.0000, 0.0000, -0.0000

## Achromatomaly

164.0850, -1.3770, 8.4390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.2720, -2.8010, 23.2390 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(176, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(176, 150, 207)  
}
```

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(176, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 150, 207) }
```

## Border

The CSS property to change the border of an element to YIQ 164.2720, -2.8010, 23.2390 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(176, 150, 207) }
```



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

```
.border{ border-color:rgb(176, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(176, 150,  
207) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.2720, -2.8010, 23.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 150, 207) }
```

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

```
.background{ background-color: rgb(176,  
150, 207) }
```

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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