

# Converting Colors

YIQ(180.8090, 0.3610, 32.0170)

Have a look what the booklet for  
YIQ(180.8090, 0.3610, 32.0170)  
contains.

<b>YIQ(180.8090, 0.3610, 32.0170)</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(180.8090, 0.3610,  
32.0170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9A0EB
RGB	201, 160, 235
RGB Percent	79%, 63%, 92%
CMY	0.2116, 0.3726, 0.0785
CMYK	0.14, 0.32, 0.00, 0.08
HSL	273°, 65%, 77%
HSV	273°, 32%, 92%
XYZ	51.6584, 43.5556, 84.2707
YIQ	180.8090, 0.3610, 32.0170

# Conversions

## Conversions Part 2

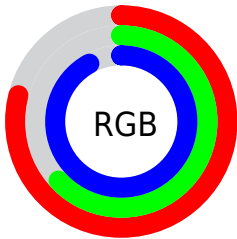
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">201, 160, 235</a>
Decimal	<a href="#">13213931</a>
CIELab	<a href="#">71.93, 29.03, -32.02</a>
CIELCh	<a href="#">72, 43.223, 312.195</a>
Yxy	<a href="#">43.5556, 0.2878, 0.2427</a>
Android (android.graphics.Color)	<a href="#">4291404011 (0xFFC9A0EB)</a>
YUV	<a href="#">180.8090, 26.7162, 17.7075</a>
Hunter-Lab	<a href="#">65.9967, 24.2254, -29.5093</a>

# Details

The YIQ color  $180.8090, 0.3610, 32.0170$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $214.1910, -0.3610, -32.0170$ , and the grayscale version is  $181.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $231.5200, 11.0000, 20.9200$ , and  $127.4560, -0.1430, 30.1370$  is the 20% darker color. If you saturate the color by 10%, you get  $163.4320, 0.4050, 42.2370$ , and if you desaturate by 10%, it is  $197.5990, 0.5920, 22.3200$ .

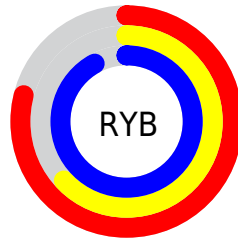
# Distribution



Red (79%)

Green (63%)

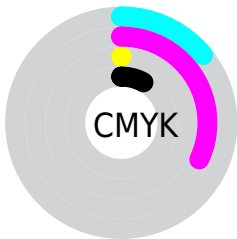
Blue (92%)



Red (79%)

Yellow (63%)

Blue (92%)

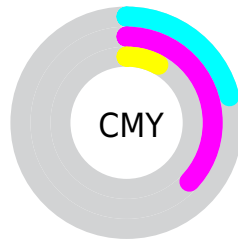


Cyan (14%)

Magenta (32%)

Yellow (0%)

Black (8%)



Cyan (21%)

Magenta (37%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.8090, 0.3610, 32.0170 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 180.8090, 0.3610, 32.0170 by changing the saturation by 10% instead.



180.8090, 0.3610,  
32.0170

180.8090, 0.3610,  
32.0170

255.0000, -0.0000,  
-0.0000

153.9830, -0.1890,  
30.9710

231.5200, 11.0000,  
20.9200

127.4560, -0.1430,  
30.1370

248.5430, 3.0250,  
5.7530

101.9290, -0.0970,  
29.3030

77.6900, -0.9220,  
27.7340

53.8640, -1.4720,  
26.6880

30.3370, -1.4260,  
25.8540

13.2180, -2.7090,

21.5710

■ 4.7080, -10.5010,  
8.5950

■ 0.2280, -0.6420,  
0.6220

■ 180.8090, 0.3610,  
32.0170

■ 180.8090, 0.3610,  
32.0170

■ 163.4320, 0.4050,  
42.2370

■ 197.5990, 0.5920,  
22.3200

■ 146.9410, 0.7700,  
52.1460

■ 214.6770, -0.0480,  
11.8880

■ 129.5640, 0.8140,  
62.3660

■ 231.4670, 0.1830,  
2.1910

■ 112.7740, 0.5830,  
72.0630

■ 248.8440, 0.1390,  
-8.0290

■ 95.6960, 1.2230,  
82.4950

■ 252.4210, 5.8240,  
-6.4320

■ 78.9060, 0.9920,  
92.1920

■ 252.7200, 6.4200,  
-6.2200

■ 65.3610, 1.4490,  
100.4330

# Harmonies

## Analogous

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



174.6230, -43.5140, 17.6860



180.8090, 0.3610, 32.0170



180.9520, 36.6270, 35.5630

# Triad

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



180.8090, 0.3610, 32.0170



175.0350, 53.6450, -8.5550



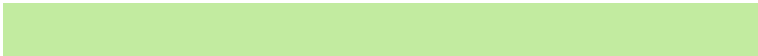
137.5270, -115.8070, -43.3190

# Complementary

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



180.8090, 0.3610, 32.0170



214.1910, -0.3610, -32.0170

# 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.



158.2900, -49.0520, -36.1560



180.8090, 0.3610, 32.0170



171.7450, 30.4940, -24.0180

# Square

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



180.8090, 0.3610, 32.0170



176.7290, 64.0950, 11.3190



166.6250, -4.5790, -32.6670



139.8700, -126.5380, -30.5540



# Rectangle

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



180.8090, 0.3610, 32.0170



179.8150, 52.9500, 31.5900



166.6250, -4.5790, -32.6670



147.2930, -88.6650, -39.6170

# Sweetspot

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



180.8090, 0.3610, 32.0170



236.7370, -0.2770, 10.5310



189.0950, -33.7000, 5.0200



116.5150, 0.2280, 6.8840



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.



180.8090, 0.3610, 32.0170



184.9050, 0.4510, 41.4030



190.6330, 21.5880, 38.2920



109.0480, 0.0450, 4.6930



50.2350, 0.9030, 77.2790



14.8270, -0.0500, 22.9420



# Inverse Universe

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



186.3010, 33.7860, 26.4740



192.0190, 43.6880, 34.2480



204.2530, -21.2670, -38.6030



109.8590, 4.9510, 3.8870



63.4670, 81.5540, 63.8740

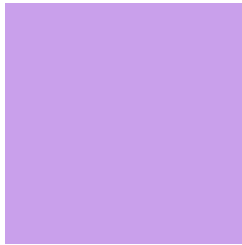


18.8820, 24.4800, 18.9120



# Previews

## White Background



This preview shows how the YIQ color 180.8090, 0.3610, 32.0170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

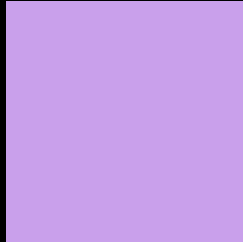
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 180.8090, 0.3610, 32.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

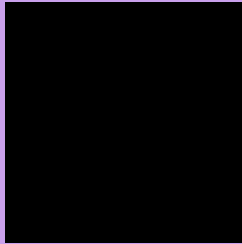
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 180.8090, 0.3610, 32.0170**

## **Background**



This preview shows how black text looks on a background with the YIQ color 180.8090, 0.3610, 32.0170.



This preview shows how white text looks on a background with the YIQ color 180.8090, 0.3610,



# 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

180.8090, 0.3610, 32.0170

### Protanopia

176.5270, -34.4360, 18.3640

### Deuteranopia

177.3230, -25.1740, 15.7060



## Tritanopia

178.3590, 9.5350, 8.9190

# Trichromacy



## Original Color

180.8090, 0.3610, 32.0170

## Protanomaly

178.2190, -21.6450, 23.3390

## Deuteranomaly

178.6880, -15.7760, 21.6000

## Tritanomaly

179.0740, 6.3240, 17.5560

# Monochromacy



## Original Color

180.8090, 0.3610, 32.0170

## Achromatopsia

181.0000, -0.0000, 0.0000

## Achromatomaly

180.6770, -0.0480, 11.8880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.8090, 0.3610, 32.0170 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(201, 160, 235)` looks like.

```
.text, #text, p{  
    color:rgb(201, 160, 235)  
}
```

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(201, 160, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 160, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 180.8090, 0.3610, 32.0170 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(201, 160, 235) }
```



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

```
.border{ border-color:rgb(201, 160, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 160, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 160, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 160, 235);  
box-shadow:4px 4px 4px 4px rgb(201, 160,  
235) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.8090, 0.3610, 32.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 160, 235) }
```

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

```
.background{ background-color: rgb(201,  
160, 235) }
```

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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