

# Converting Colors

YIQ(176.6760, 20.0290, 39.0130)

Have a look what the booklet for  
YIQ(176.6760, 20.0290, 39.0130)  
contains.

<b>YIQ(176.6760, 20.0290, 39.0130)</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(176.6760, 20.0290,  
39.0130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC92DD
RGB	220, 146, 221
RGB Percent	86%, 57%, 87%
CMY	0.1370, 0.4276, 0.1333
CMYK	0.00, 0.34, 0.00, 0.13
HSL	299°, 52%, 72%
HSV	299°, 34%, 87%
XYZ	52.8584, 40.9935, 73.5370
YIQ	176.6760, 20.0290, 39.0130

# Conversions

## Conversions Part 2

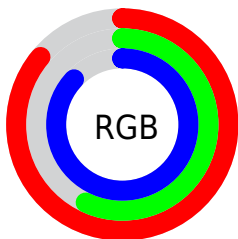
Format	Color
R <sub>Y</sub> B	220, 146, 221
Decimal	14455517
CIE Lab	70.17, 39.75, -26.90
CIE LCh	70, 47.997, 325.909
Yxy	40.9935, 0.3158, 0.2449
Android (android.graphics.Color)	4292645597 (0xFFDC92DD)
YUV	176.6760, 21.8517, 37.9951
Hunter-Lab	64.0262, 35.3193, -23.2790

# Details

The YIQ color  $176.6760, 20.0290, 39.0130$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $190.3240, -20.0290, -39.0130$ , and the grayscale version is  $176.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $223.3020, 14.8500, 28.2420$ , and  $123.1380, 18.6080, 37.2320$  is the 20% darker color. If you saturate the color by 10%, you get  $163.7620, 26.0790, 50.5190$ , and if you desaturate by 10%, it is  $189.5900, 13.9790, 27.5070$ .

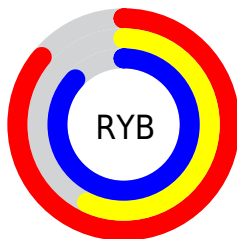
# Distribution



Red (86%)

Green (57%)

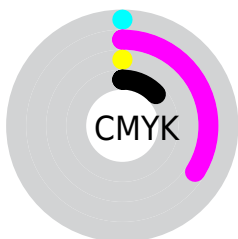
Blue (87%)



Red (86%)

Yellow (57%)

Blue (87%)

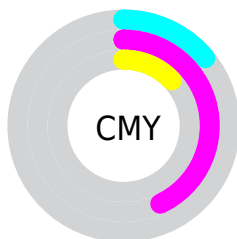


Cyan (0%)

Magenta (34%)

Yellow (0%)

Black (13%)



Cyan (14%)

Magenta (43%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 176.6760, 20.0290, 39.0130 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 176.6760, 20.0290, 39.0130 by changing the saturation by 10% instead.



■ 176.6760, 20.0290,  
39.0130

■ 176.6760, 20.0290,  
39.0130

255.0000, -0.0000,  
-0.0000

■ 149.2630, 19.7540,  
38.4900

■ 223.3020, 14.8500,  
28.2420

■ 123.1380, 18.6080,  
37.2320

■ 239.7380, 7.1500,  
13.5980

■ 97.3120, 18.0580,  
36.1860

■ 71.7140, 16.8660,  
35.7620

■ 45.2410, 16.8200,  
36.5960

■ 25.3500, 14.8950,  
32.9350

■ 16.8620, 10.0370,

21.8530

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 176.6760, 20.0290,  
39.0130

■ 176.6760, 20.0290,  
39.0130

■ 163.7620, 26.0790,  
50.5190

■ 189.5900, 13.9790,  
27.5070

■ 150.5490, 31.5330,  
61.8130

■ 202.8030, 8.5250,  
16.2130

■ 137.6350, 37.5830,  
73.3190

■ 215.7170, 2.4750,  
4.7070

■ 124.7210, 43.6330,  
84.8250

■ 228.6310, -3.5750,  
-6.7990

■ 111.2200, 49.9580,  
96.8540

■ 240.9580, -9.3500,  
-17.7820

■ 98.0070, 55.4120,  
108.1480

■ 241.2570, -8.7540,  
-17.5700

■ 90.3760, 58.9870,  
114.9470

■ 241.5560, -8.1580,  
-17.3580

# Harmonies

## Analogous

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



173.2280, -25.8640, 28.2160



176.6760, 20.0290, 39.0130



174.6890, 53.5450, 37.3290

# Triad

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



176.6760, 20.0290, 39.0130



168.1880, 48.4200, -18.4920



137.0030, -119.8430, -36.2510

# Complementary

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



176.6760, 20.0290, 39.0130



190.3240, -20.0290, -39.0130

# 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.



132.5740, -105.9940, -50.4580



176.6760, 20.0290, 39.0130



163.7600, 16.9700, -32.2300

# Square

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



176.6760, 20.0290, 39.0130



170.6010, 67.0310, 2.1590



156.7300, -27.0440, -38.5320



138.0580, -129.7030, -22.7510



# Rectangle

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



176.6760, 20.0290, 39.0130



173.1770, 66.4300, 29.5820



156.7300, -27.0440, -38.5320



135.9940, -115.6240, -41.1280

# Sweetspot

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



176.6760, 20.0290, 39.0130



240.3250, 6.8750, 13.0750



155.1370, -24.3500, 22.8020



118.3090, 3.8040, 8.1560



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.



176.6760, 20.0290, 39.0130



193.0660, 28.2790, 54.7030



172.8710, 32.1810, 28.0290



103.5430, 3.0250, 5.7530



70.8510, 46.3830, 90.0550



18.6990, 12.0540, 23.8460



# Inverse Universe

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



168.5390, 44.3790, 16.2110



181.6230, 61.9380, 22.8820



194.1290, -32.1810, -28.0290



102.2890, 6.5560, 2.3320



51.9550, 102.4660, 37.2980

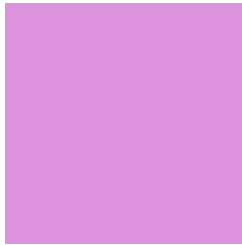


13.8680, 27.0950, 10.0630



# Previews

## White Background



This preview shows how the YIQ color 176.6760, 20.0290, 39.0130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

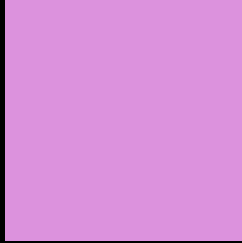
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 176.6760, 20.0290, 39.0130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

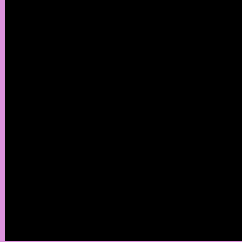
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 176.6760, 20.0290, 39.0130

## Background



This preview shows how black text looks on a background with the YIQ color 176.6760, 20.0290, 39.0130.



This preview shows how white text looks on a background with the YIQ color 176.6760, 20.0290,



# 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

176.6760, 20.0290, 39.0130

### Protanopia

172.1850, -33.4730, 17.4310

### Deuteranopia

173.2760, -17.7920, 14.0800



## Tritanopia

175.1120, 29.5240, 15.6040

# Trichromacy



## Original Color

176.6760, 20.0290, 39.0130

## Protanomaly

173.5790, -13.8510, 25.2610

## Deuteranomaly

174.6740, -3.9930, 22.8150

## Tritanomaly

175.8270, 26.3130, 24.2410

# Monochromacy



## Original Color

176.6760, 20.0290, 39.0130

## Achromatopsia

177.0000, -0.0000, 0.0000

## Achromatomaly

177.1510, 7.4250, 14.1210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 176.6760, 20.0290, 39.0130 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(220, 146, 221)` looks like.

```
.text, #text, p{  
    color:rgb(220, 146, 221)  
}
```

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(220, 146, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 146, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 176.6760, 20.0290, 39.0130 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(220, 146, 221) }
```



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

```
.border{ border-color:rgb(220, 146, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 146, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 146, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 146, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 146,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 176.6760, 20.0290, 39.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 146, 221) }
```

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

```
.background{ background-color: rgb(220,  
146, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor