

# Converting Colors

YIQ(121.7530, 21.1300, 35.5780)

Have a look what the booklet for  
YIQ(121.7530, 21.1300, 35.5780)  
contains.

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# Color

**YIQ(121.7530, 21.1300,  
35.5780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A45D9F
RGB	164, 93, 159
RGB Percent	64%, 36%, 62%
CMY	0.3566, 0.6354, 0.3764
CMYK	0.00, 0.43, 0.03, 0.36
HSL	304°, 28%, 50%
HSV	304°, 43%, 64%
XYZ	25.4914, 18.2252, 34.9790
YIQ	121.7530, 21.1300, 35.5780

# Conversions

## Conversions Part 2

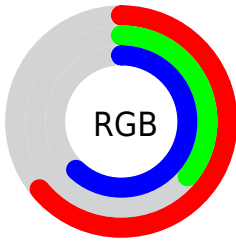
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 93, 159
Decimal	10771871
CIELab	49.77, 38.96, -23.58
CIELCh	50, 45.543, 328.814
Yxy	18.2252, 0.3239, 0.2316
Android (android.graphics.Color)	4288961951 (0xFFA45D9F)
YUV	121.7530, 18.3628, 37.0506
Hunter-Lab	42.6910, 31.8756, -18.6957

# Details

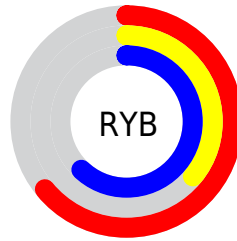
The YIQ color **121.7530, 21.1300, 35.5780** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **135.2470, -21.1300, -35.5780**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **175.2910, 22.5510, 37.3590**, and **70.3290, 19.3880, 34.1080** is the 20% darker color. If you saturate the color by 10%, you get **112.2470, 25.8510, 43.6350**, and if you desaturate by 10%, it is **131.2590, 16.4090, 27.5210**.

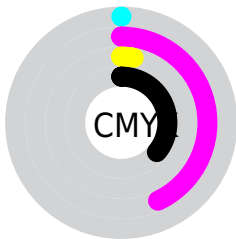
# Distribution



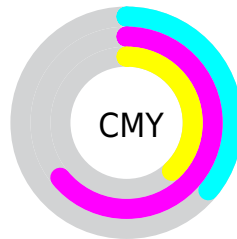
- Red (64%)
- Green (36%)
- Blue (62%)



- Red (64%)
- Yellow (36%)
- Blue (62%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (36%)



- Cyan (36%)
- Magenta (64%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.7530, 21.1300, 35.5780 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 121.7530, 21.1300, 35.5780 by changing the saturation by 10% instead.



121.7530, 21.1300,  
35.5780

121.7530, 21.1300,  
35.5780

255.0000, -0.0000,  
-0.0000

96.0410, 20.2590,  
34.8430

175.2910, 22.5510,  
37.3590

70.3290, 19.3880,  
34.1080

203.0030, 23.4220,  
38.0940

44.8560, 19.3420,  
34.9420

222.7150, 15.1250,  
28.7650

24.6660, 16.8210,  
31.0690

239.7380, 7.1500,  
13.5980

16.2920, 11.6420,  
20.2980

2.1830, -4.7690,  
3.8310

0.0000, 0.0000,

0.0000

■ 121.7530, 21.1300,  
35.5780

■ 121.7530, 21.1300,  
35.5780

■ 112.2470, 25.8510,  
43.6350

■ 131.2590, 16.4090,  
27.5210

■ 102.1540, 30.8470,  
52.2150

■ 141.3520, 11.4130,  
18.9410

■ 92.6480, 35.5680,  
60.2720

■ 150.9720, 6.3710,  
11.1950

■ 82.4410, 40.8850,  
68.5410

■ 161.0650, 1.3750,  
2.6150

■ 72.9350, 45.6060,  
76.5980

■ 170.5710, -3.3460,  
-5.4420

■ 66.3640, 48.9520,  
82.0400

■ 180.0770, -8.0670,  
-13.4990

■ 190.1700,  
-13.0630, -22.0790

■ 199.6760,  
-17.7840, -30.1360

■ 209.7690,  
-22.7800, -38.7160

# Harmonies

## Analogous

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



120.1700, -19.9490, 25.6430



121.7530, 21.1300, 35.5780



119.1290, 49.1900, 33.6540

# Triad

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



121.7530, 21.1300, 35.5780



114.3550, 40.5800, -19.5800



98.0890, -87.4300, -23.4460

# Complementary

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



121.7530, 21.1300, 35.5780



135.2470, -21.1300, -35.5780

# 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.



93.6430, -74.9110, -35.5750



121.7530, 21.1300, 35.5780



110.2910, 11.1010, -30.4910

# Square

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



121.7530, 21.1300, 35.5780



116.3440, 57.4490, -0.3990



101.9730, -32.0420, -36.0580



98.4600, -95.3640, -11.8120



# Rectangle

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



121.7530, 21.1300, 35.5780



117.6490, 59.0490, 25.6810



101.9730, -32.0420, -36.0580



96.6070, -83.2570, -27.4890

# Sweetspot

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



121.7530, 21.1300, 35.5780



197.3360, 8.3420, 14.0220



102.5890, -19.8110, 23.1410



96.9070, 4.9960, 8.5800



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



121.7530, 21.1300, 35.5780



147.9310, 33.0930, 55.5650



117.7630, 32.3650, 24.6930



76.6030, 2.7960, 4.3960



58.7450, 43.0850, 72.7250



7.3200, 5.2710, 9.1030



# Inverse Universe

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



121.7530, 21.1300, 35.5780



147.9310, 33.0930, 55.5650



139.2370, -32.3650, -24.6930



76.6030, 2.7960, 4.3960



58.7450, 43.0850, 72.7250

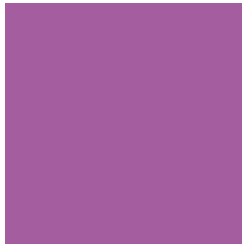


7.3200, 5.2710, 9.1030



# Previews

## White Background



This preview shows how the YIQ color 121.7530, 21.1300, 35.5780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

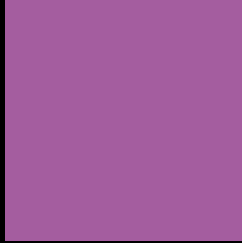
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 121.7530, 21.1300, 35.5780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

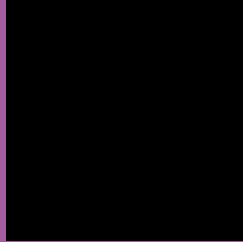
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 121.7530, 21.1300, 35.5780

## Background



This preview shows how black text looks on a background with the YIQ color 121.7530, 21.1300, 35.5780.



This preview shows how white text looks on a background with the YIQ color 121.7530, 21.1300,

35.5780.

# 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

121.7530, 21.1300, 35.5780

### Protanopia

118.2730, -30.9050, 14.9430

### Deuteranopia

119.5380, -15.7740, 10.5460



## Tritanopia

120.3570, 30.2120, 14.1480

# Trichromacy



## Original Color

121.7530, 21.1300, 35.5780

## Protanomaly

119.3680, -11.8790, 22.5610

## Deuteranomaly

120.0500, -2.2960, 19.5920

## Tritanomaly

120.5450, 27.0470, 21.9510

# Monochromacy



## Original Color

121.7530, 21.1300, 35.5780

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

121.5100, 7.7920, 12.9760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.7530, 21.1300, 35.5780 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(164, 93, 159)` looks like.

```
.text, #text, p{  
    color:rgb(164, 93, 159)  
}
```

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(164, 93, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 93, 159) }
```

## Border

The CSS property to change the border of an element to YIQ 121.7530, 21.1300, 35.5780 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(164, 93, 159) }
```



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

```
.border{ border-color:rgb(164, 93, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 93, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 93, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 93, 159);  
box-shadow:4px 4px 4px 4px rgb(164, 93,  
159) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.7530, 21.1300, 35.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 93, 159) }
```

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

```
.background{ background-color: rgb(164, 93,  
159) }
```

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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