

# Converting Colors

YIQ(121.9900, 16.2690, 41.0770)

Have a look what the booklet for  
YIQ(121.9900, 16.2690, 41.0770)  
contains.

<b>YIQ(121.9900, 16.2690, 41.0770)</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(121.9900, 16.2690,  
41.0770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A35BAE
RGB	163, 91, 174
RGB Percent	64%, 36%, 68%
CMY	0.3606, 0.6432, 0.3176
CMYK	0.06, 0.48, 0.00, 0.32
HSL	292°, 34%, 52%
HSV	292°, 48%, 68%
XYZ	26.4944, 18.3256, 42.1852
YIQ	121.9900, 16.2690, 41.0770

# Conversions

## Conversions Part 2

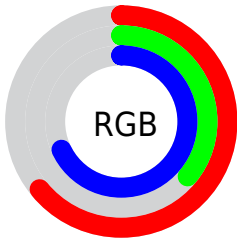
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 91, 174
Decimal	10705838
CIE <sub>Lab</sub>	49.89, 42.62, -32.20
CIE <sub>LCh</sub>	50, 53.414, 322.926
Yxy	18.3256, 0.3045, 0.2106
Android (android.graphics.Color)	4288895918 (0xFFA35BAE)
YUV	121.9900, 25.6409, 35.9658
Hunter-Lab	42.8084, 35.5603, -28.4611

# Details

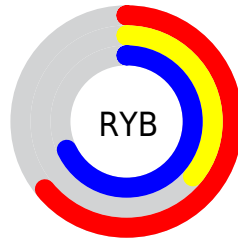
The YIQ color **121.9900, 16.2690, 41.0770** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **143.0100, -16.2690, -41.0770**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **175.6420, 17.3690, 43.1690**, and **69.8650, 15.1230, 39.8190** is the 20% darker color. If you saturate the color by 10%, you get **111.4130, 19.7520, 49.5440**, and if you desaturate by 10%, it is **132.5670, 12.7860, 32.6100**.

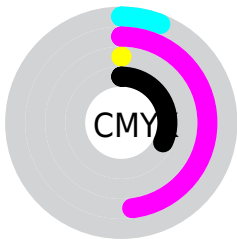
# Distribution



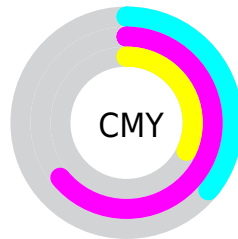
- Red (64%)
- Green (36%)
- Blue (68%)



- Red (64%)
- Yellow (36%)
- Blue (68%)



- Cyan (6%)
- Magenta (48%)
- Yellow (0%)
- Black (32%)



- Cyan (36%)
- Magenta (64%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.9900, 16.2690, 41.0770 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 121.9900, 16.2690, 41.0770 by changing the saturation by 10% instead.



121.9900, 16.2690,  
41.0770

121.9900, 16.2690,  
41.0770

255.0000, -0.0000,  
-0.0000

96.1640, 15.7190,  
40.0310

175.6420, 17.3690,  
43.1690

69.8650, 15.1230,  
39.8190

203.8980, 19.5240,  
42.6600

42.8050, 15.3520,  
41.1760

221.5410, 15.6750,  
29.8110

25.5500, 11.4560,  
34.6880

238.5640, 7.7000,  
14.6440

16.9480, 6.9190,  
23.2950

3.6650, -8.9420,  
7.8740

0.0000, 0.0000,

0.0000

■ 121.9900, 16.2690,  
41.0770

■ 121.9900, 16.2690,  
41.0770

■ 111.4130, 19.7520,  
49.5440

■ 132.5670, 12.7860,  
32.6100

■ 99.9500, 22.9140,  
58.3220

■ 144.0300, 9.6240,  
23.8320

■ 89.3730, 26.3970,  
66.7890

■ 154.6070, 6.1410,  
15.3650

■ 78.2090, 30.1550,  
75.7790

■ 165.7710, 2.3830,  
6.3750

■ 67.6320, 33.6380,  
84.2460

■ 176.6470, -0.5040,  
-1.8800

■ 64.9850, 34.1420,  
86.1260

■ 187.2240, -3.9870,  
-10.3470

■ 198.3880, -7.7450,  
-19.3370

■ 208.9650,  
-11.2280, -27.8040

■ 220.4280,  
-14.3900, -36.5820

# Harmonies

## Analogous

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



117.6010, -37.2800, 25.8560



121.9900, 16.2690, 41.0770



117.8510, 53.2690, 42.3330

# Triad

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



121.9900, 16.2690, 41.0770



113.3040, 53.7850, -22.1110



99.6220, -87.6130, -25.6370

# Complementary

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



121.9900, 16.2690, 41.0770



143.0100, -16.2690, -41.0770

# 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.



93.6770, -72.2510, -39.7310



121.9900, 16.2690, 41.0770



109.4630, 22.0600, -36.3720

# Square

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



121.9900, 16.2690, 41.0770



115.1390, 68.4520, 3.9400



100.2520, -28.6940, -41.6700



101.4920, -98.3900, -12.0380



# Rectangle

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



121.9900, 16.2690, 41.0770



115.6380, 66.7500, 34.7980



100.2520, -28.6940, -41.6700



97.9120, -82.7980, -30.3020

# Sweetspot

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



121.9900, 16.2690, 41.0770



207.0200, 6.4160, 15.8880



106.9190, -29.6680, 20.0600



102.3630, 3.7120, 9.8240



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



121.9900, 16.2690, 41.0770



146.1940, 25.3430, 63.8630



121.8590, 32.4550, 34.0790



81.4180, 1.8790, 4.4950



56.2690, 29.9260, 74.4220



8.6020, 4.5370, 11.3930



# Inverse Universe

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



117.0710, 45.9370, 21.0170



138.5090, 71.4270, 32.6350



143.1410, -32.4550, -34.0790



80.8050, 5.0430, 2.2190



47.1300, 82.9800, 38.0200



7.2190, 12.7450, 5.8090



# Previews

## White Background



This preview shows how the YIQ color 121.9900, 16.2690, 41.0770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

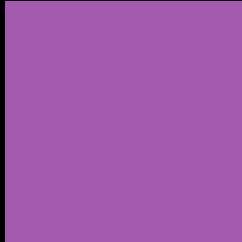
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 121.9900, 16.2690, 41.0770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

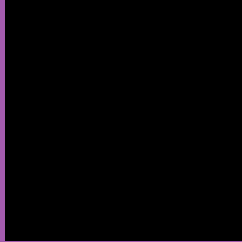
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 121.9900, 16.2690, 41.0770

## Background



This preview shows how black text looks on a background with the YIQ color 121.9900, 16.2690, 41.0770.



This preview shows how white text looks on a background with the YIQ color 121.9900, 16.2690,



# 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

121.9900, 16.2690, 41.0770

### Protanopia

117.0360, -43.2390, 18.2090

### Deuteranopia

118.7310, -26.5030, 12.2570



## Tritanopia

120.8620, 27.2320, 13.0880

# Trichromacy



## Original Color

121.9900, 16.2690, 41.0770

## Protanomaly

119.2130, -21.5080, 26.3640

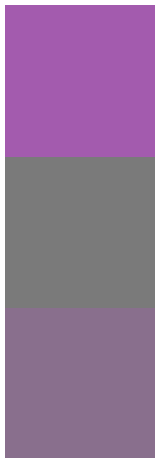
## Deuteranomaly

119.9660, -10.6870, 22.9850

## Tritanomaly

121.3320, 23.3330, 23.1810

# Monochromacy



## Original Color

121.9900, 16.2690, 41.0770

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.1940, 5.8660, 14.8420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.9900, 16.2690, 41.0770 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(163, 91, 174)` looks like.

```
.text, #text, p{  
    color:rgb(163, 91, 174)  
}
```

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(163, 91, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 91, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 121.9900, 16.2690, 41.0770 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(163, 91, 174) }
```



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

```
.border{ border-color:rgb(163, 91, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 91, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 91, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 91, 174); box-shadow:4px 4px 4px 4px rgb(163, 91, 174) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.9900, 16.2690, 41.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 91, 174) }
```

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

```
.background{ background-color: rgb(163, 91,  
174) }
```

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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