

# Converting Colors

YIQ(126.7340, 32.4500, 61.7140)

Have a look what the booklet for  
YIQ(126.7340, 32.4500, 61.7140)  
contains.

<b>YIQ(126.7340, 32.4500, 61.7140)</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(126.7340, 32.4500,  
61.7140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C44EC4
RGB	196, 78, 196
RGB Percent	77%, 31%, 77%
CMY	0.2310, 0.6943, 0.2313
CMYK	0.00, 0.60, 0.00, 0.23
HSL	300°, 50%, 54%
HSV	300°, 60%, 77%
XYZ	35.4742, 21.1756, 54.4478
YIQ	126.7340, 32.4500, 61.7140

# Conversions

## Conversions Part 2

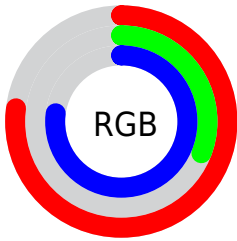
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">196, 78, 196</a>
Decimal	<a href="#">12865220</a>
CIELab	<a href="#">53.14, 61.97, -39.54</a>
CIElCh	<a href="#">53, 73.510, 327.462</a>
Yxy	<a href="#">21.1756, 0.3193, 0.1906</a>
Android (android.graphics.Color)	<a href="#">4291055300 (0xFFC44EC4)</a>
YUV	<a href="#">126.7340, 34.1481, 60.7463</a>
Hunter-Lab	<a href="#">46.0170, 57.0750, -37.9408</a>

# Details

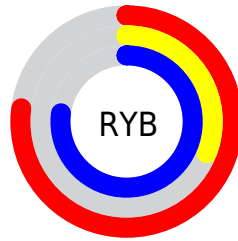
The YIQ color  $126.7340, 32.4500, 61.7140$  is a light color, and the websafe version is hex  $CC66CC$ . The color can be described as light muted magenta. A complement of this color would be  $147.2660, -32.4500, -61.7140$ , and the grayscale version is  $126.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $183.7450, 33.9170, 62.6610$ , and  $62.4450, 35.0620, 69.4460$  is the 20% darker color. If you saturate the color by 10%, you get  $114.9940, 37.9500, 72.1740$ , and if you desaturate by 10%, it is  $138.4740, 26.9500, 51.2540$ .

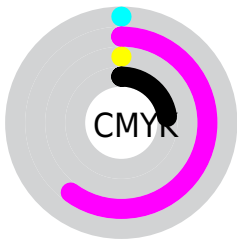
# Distribution



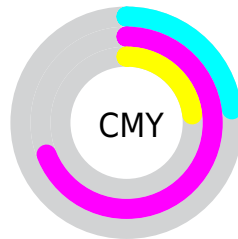
- Red (77%)
- Green (31%)
- Blue (77%)



- Red (77%)
- Yellow (31%)
- Blue (77%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (23%)



- Cyan (23%)
- Magenta (69%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 126.7340, 32.4500, 61.7140 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 126.7340, 32.4500, 61.7140 by changing the saturation by 10% instead.




 126.7340, 32.4500,  
61.7140


 126.7340, 32.4500,  
61.7140


255.0000, -0.0000,  
-0.0000


 97.8480, 32.1290,  
62.0250


 183.7450, 33.9170,  
62.6610


 61.8580, 35.3370,  
69.9690


 200.4090, 25.5750,  
48.6390


 46.4130, 28.9200,  
59.6080

 216.8450, 17.8750,  
33.9950

 35.4900, 20.8530,  
46.1090

 233.8680, 9.9000,  
18.8280

 25.2790, 13.6570,  
33.3450

 251.4780, 1.6500,  
3.1380

 14.5840, 4.9480,  
20.4680

 2.9810, -7.0160,

6.0080

■ 0.0000, 0.0000,  
0.0000

■ 126.7340, 32.4500,  
61.7140

■ 126.7340, 32.4500,  
61.7140

■ 114.9940, 37.9500,  
72.1740

■ 138.4740, 26.9500,  
51.2540

■ 103.8410, 43.1750,  
82.1110

■ 149.6270, 21.7250,  
41.3170

■ 92.1010, 48.6750,  
92.5710

■ 161.3670, 16.2250,  
30.8570

■ 80.9480, 53.9000,  
102.5080

■ 172.5200, 11.0000,  
20.9200

■ 184.2600, 5.5000,  
10.4600

■ 196.0000, -0.0000,  
-0.0000

■ 207.1530, -5.2250,  
-9.9370

■ 218.8930,  
-10.7250, -20.3970

■ 230.0460,  
-15.9500, -30.3340

# Harmonies

## Analogous

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



125.3960, -43.4720, 38.9600



126.7340, 32.4500, 61.7140



113.2330, 82.3330, 66.2770

# Triad

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



126.7340, 32.4500, 61.7140



118.8560, 60.6180, -30.3100



111.3740, -101.4140, -23.3180

# Complementary

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



126.7340, 32.4500, 61.7140



147.2660, -32.4500, -61.7140

# 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.



103.9640, -80.5490, -43.5330



126.7340, 32.4500, 61.7140



110.8840, 18.7160, -52.8680

# Square

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



126.7340, 32.4500, 61.7140



117.0600, 96.0550, -6.2250



94.0920, -58.2630, -61.9670



114.7260, -116.3640, -5.6760



# Rectangle

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



126.7340, 32.4500, 61.7140



111.6900, 96.5030, 51.7590



94.0920, -58.2630, -61.9670



109.5670, -94.9480, -30.3720

# Sweetspot

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



126.7340, 32.4500, 61.7140



227.9980, 12.6500, 24.0580



91.4520, -37.8780, 36.6980



110.8630, 8.2960, 14.8560



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.



126.7340, 32.4500, 61.7140



146.9920, 50.6000, 96.2320



120.0080, 51.3890, 43.3650



91.1300, 2.7500, 5.2300



66.4930, 44.2750, 84.2030



13.6290, 9.0750, 17.2590



# Inverse Universe

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



126.7340, 32.4500, 61.7140



146.9920, 50.6000, 96.2320



153.9920, -51.3890, -43.3650



91.1300, 2.7500, 5.2300



66.4930, 44.2750, 84.2030



13.6290, 9.0750, 17.2590



# Previews

## White Background



This preview shows how the YIQ color 126.7340, 32.4500, 61.7140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

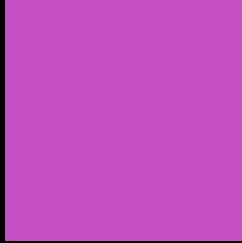
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 126.7340, 32.4500, 61.7140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

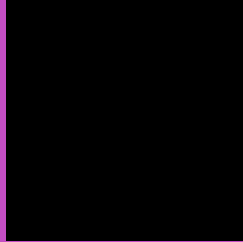
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 126.7340, 32.4500, 61.7140

## Background



This preview shows how black text looks on a background with the YIQ color 126.7340, 32.4500, 61.7140.



This preview shows how white text looks on a background with the YIQ color 126.7340, 32.4500,



# 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

126.7340, 32.4500, 61.7140

### Protanopia

119.9530, -70.5660, 23.3700

### Deuteranopia

126.1800, -35.0770, 13.4590



## Tritanopia

128.0280, 47.4960, 20.2960

# Trichromacy



## Original Color

126.7340, 32.4500, 61.7140

## Protanomaly

122.3170, -33.0640, 37.5600

## Deuteranomaly

126.4210, -10.2300, 31.2260

## Tritanomaly

127.4750, 42.4040, 35.4920

# Monochromacy



## Original Color

126.7340, 32.4500, 61.7140

## Achromatopsia

127.0000, -0.0000, -0.0000

## Achromatomaly

126.7590, 11.8250, 22.4890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 126.7340, 32.4500, 61.7140 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(196, 78, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 78, 196)  
}
```

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(196, 78, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 78, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 126.7340, 32.4500, 61.7140 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(196, 78, 196) }
```



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

```
.border{ border-color:rgb(196, 78, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 78, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 78, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 78, 196); box-shadow:4px 4px 4px 4px rgb(196, 78, 196) }
```

# Background

The CSS property to change the background color of an element to YIQ 126.7340, 32.4500, 61.7140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 78, 196) }
```

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

```
.background{ background-color: rgb(196, 78,  
196) }
```

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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