

# Converting Colors

YIQ(121.6060, 17.0500, 32.4260)

Have a look what the booklet for  
YIQ(121.6060, 17.0500, 32.4260)  
contains.

<b>YIQ(121.6060, 17.0500, 32.4260)</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(121.6060, 17.0500,  
32.4260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E609E
RGB	158, 96, 158
RGB Percent	62%, 38%, 62%
CMY	0.3802, 0.6236, 0.3804
CMYK	0.00, 0.39, 0.00, 0.38
HSL	300°, 24%, 50%
HSV	300°, 39%, 62%
XYZ	24.4624, 18.1037, 34.5551
YIQ	121.6060, 17.0500, 32.4260

# Conversions

## Conversions Part 2

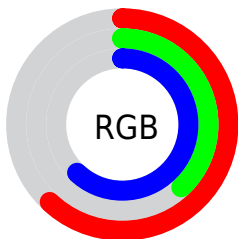
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 96, 158
Decimal	10379422
CIE Lab	49.62, 35.19, -23.28
CIE LCh	50, 42.197, 326.516
Yxy	18.1037, 0.3172, 0.2347
Android (android.graphics.Color)	4288569502 (0xFF9E609E)
YUV	121.6060, 17.9422, 31.9175
Hunter-Lab	42.5485, 28.1651, -18.3675

# Details

The YIQ color **121.6060, 17.0500, 32.4260** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **132.3940, -17.0500, -32.4260**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.1440, 18.4710, 34.2070**, and **71.0680, 15.6290, 30.6450** is the 20% darker color. If you saturate the color by 10%, you get **112.2140, 21.4500, 40.7940**, and if you desaturate by 10%, it is **130.9980, 12.6500, 24.0580**.

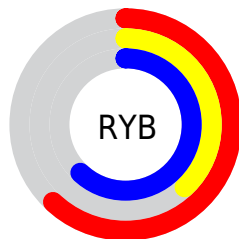
# Distribution



Red (62%)

Green (38%)

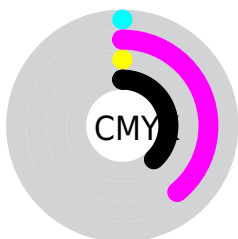
Blue (62%)



Red (62%)

Yellow (38%)

Blue (62%)

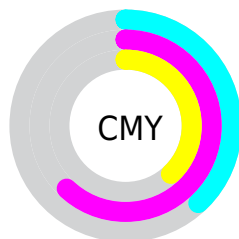


Cyan (0%)

Magenta (39%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (62%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.6060, 17.0500, 32.4260 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 121.6060, 17.0500, 32.4260 by changing the saturation by 10% instead.



121.6060, 17.0500,  
32.4260

121.6060, 17.0500,  
32.4260

255.0000, -0.0000,  
-0.0000

95.8940, 16.1790,  
31.6910

175.1440, 18.4710,  
34.2070

71.0680, 15.6290,  
30.6450

202.8560, 19.3420,  
34.9420

46.1820, 15.3080,  
30.9560

224.4760, 14.3000,  
27.1960

23.1710, 13.8410,  
30.0090

240.9120, 6.6000,  
12.5520

14.9820, 9.5790,  
19.1390

2.0690, -4.4480,  
3.5200

0.0000, 0.0000,

0.0000

■ 121.6060, 17.0500,  
32.4260

■ 121.6060, 17.0500,  
32.4260

■ 112.2140, 21.4500,  
40.7940

■ 130.9980, 12.6500,  
24.0580

■ 102.8220, 25.8500,  
49.1620

■ 140.3900, 8.2500,  
15.6900

■ 94.0170, 29.9750,  
57.0070

■ 149.1950, 4.1250,  
7.8450

■ 84.6250, 34.3750,  
65.3750

■ 158.5870, -0.2750,  
-0.5230

■ 75.2330, 38.7750,  
73.7430

■ 167.9790, -4.6750,  
-8.8910

■ 65.8410, 43.1750,  
82.1110

■ 177.3710, -9.0750,  
-17.2590

■ 65.2540, 43.4500,  
82.6340

■ 186.7630,  
-13.4750, -25.6270

■ 195.5680,  
-17.6000, -33.4720

■ 204.9600,  
-22.0000, -41.8400

# Harmonies

## Analogous

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



119.1050, -21.3240, 23.0280



121.6060, 17.0500, 32.4260



119.3240, 44.1470, 31.4350

# Triad

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



121.6060, 17.0500, 32.4260



114.8650, 39.2040, -16.6680



96.2310, -84.9540, -24.2660

# Complementary

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



121.6060, 17.0500, 32.4260



132.3940, -17.0500, -32.4260

# 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.



92.6000, -73.3520, -36.2960



121.6060, 17.0500, 32.4260



111.0680, 13.3470, -27.1410

# Square

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



121.6060, 17.0500, 32.4260



116.5440, 54.0100, 1.3540



104.5010, -24.6610, -32.1570



97.6620, -93.1170, -13.9890



# Rectangle

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



121.6060, 17.0500, 32.4260



118.3710, 53.9600, 24.2960



104.5010, -24.6610, -32.1570



95.4500, -81.3770, -28.5210

# Sweetspot

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



121.6060, 17.0500, 32.4260



192.3250, 6.8750, 13.0750



103.0680, -19.9020, 19.2820



96.1950, 4.1250, 7.8450



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



121.6060, 17.0500, 32.4260



149.3600, 27.2710, 50.9430



118.0720, 27.0010, 22.7850



74.3040, 2.2000, 4.1840



59.0590, 39.3250, 74.7890



6.1950, 4.1250, 7.8450



# Inverse Universe

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



121.6060, 17.0500, 32.4260



149.3600, 27.2710, 50.9430



135.9280, -27.0010, -22.7850



74.3040, 2.2000, 4.1840



59.0590, 39.3250, 74.7890



6.1950, 4.1250, 7.8450



# Previews

## White Background



This preview shows how the YIQ color 121.6060, 17.0500, 32.4260 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 121.6060, 17.0500, 32.4260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

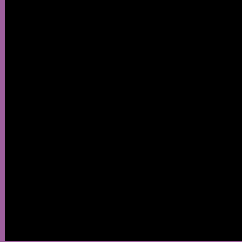
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 121.6060, 17.0500, 32.4260

## Background



This preview shows how black text looks on a background with the YIQ color 121.6060, 17.0500, 32.4260.



This preview shows how white text looks on a background with the YIQ color 121.6060, 17.0500,



# 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

121.6060, 17.0500, 32.4260

### Protanopia

117.5290, -28.7500, 14.4340

### Deuteranopia

118.8370, -15.1780, 10.7580



## Tritanopia

119.9650, 25.4440, 12.4520

# Trichromacy



## Original Color

121.6060, 17.0500, 32.4260

## Protanomaly

119.0150, -12.3830, 20.6810

## Deuteranomaly

119.9250, -3.4420, 18.3340

## Tritanomaly

120.6260, 22.3250, 19.4210

# Monochromacy



## Original Color

121.6060, 17.0500, 32.4260

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.0860, 6.0500, 11.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.6060, 17.0500, 32.4260 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(158, 96, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 96, 158)  
}
```

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(158, 96, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 96, 158) }
```

## Border

The CSS property to change the border of an element to YIQ 121.6060, 17.0500, 32.4260 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(158, 96, 158) }
```



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

```
.border{ border-color:rgb(158, 96, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 96, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 96, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 96, 158); box-shadow:4px 4px 4px 4px rgb(158, 96, 158) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.6060, 17.0500, 32.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 96, 158) }
```

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

```
.background{ background-color: rgb(158, 96,  
158) }
```

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