

# Converting Colors

YIQ(120.8520, 15.9970, 23.9730)

Have a look what the booklet for  
YIQ(120.8520, 15.9970, 23.9730)  
contains.

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# Color

**YIQ(120.8520, 15.9970,  
23.9730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	976590
RGB	151, 101, 144
RGB Percent	59%, 40%, 56%
CMY	0.4077, 0.6040, 0.4353
CMYK	0.00, 0.33, 0.05, 0.41
HSL	308°, 20%, 49%
HSV	308°, 33%, 59%
XYZ	22.4557, 17.9000, 28.6601
YIQ	120.8520, 15.9970, 23.9730

# Conversions

## Conversions Part 2

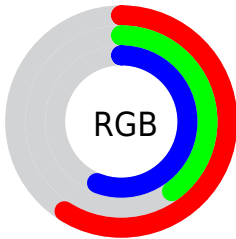
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 101, 144
Decimal	9921936
CIE Lab	49.37, 27.31, -15.46
CIE LCh	49, 31.385, 330.489
Yxy	17.9000, 0.3254, 0.2594
Android (android.graphics.Color)	4288112016 (0xFF976590)
YUV	120.8520, 11.4120, 26.4398
Hunter-Lab	42.3084, 20.7012, -10.5478

# Details

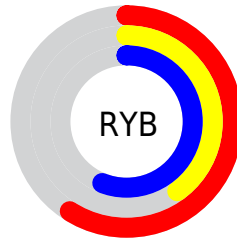
The YIQ color **120.8520, 15.9970, 23.9730** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **131.1480, -15.9970, -23.9730**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **173.9770, 17.1430, 25.2310**, and **71.4280, 14.2550, 22.5030** is the 20% darker color. If you saturate the color by 10%, you get **111.8190, 20.7640, 31.1960**, and if you desaturate by 10%, it is **129.8850, 11.2300, 16.7500**.

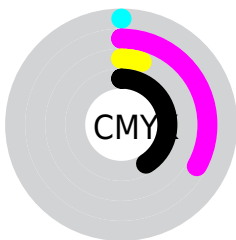
# Distribution



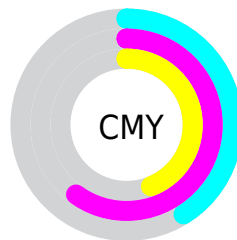
- Red (59%)
- Green (40%)
- Blue (56%)



- Red (59%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (33%)
- Yellow (5%)
- Black (41%)



- Cyan (41%)
- Magenta (60%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.8520, 15.9970, 23.9730 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 120.8520, 15.9970, 23.9730 by changing the saturation by 10% instead.



120.8520, 15.9970,  
23.9730

120.8520, 15.9970,  
23.9730

255.0000, -0.0000,  
-0.0000

95.4390, 15.7220,  
23.4500

173.9770, 17.1430,  
25.2310

71.4280, 14.2550,  
22.5030

201.6890, 18.0140,  
25.9660

47.7160, 13.3840,  
21.7680

226.8240, 13.2000,  
25.1040

24.7160, 13.3840,  
21.7680

243.8470, 5.2250,  
9.9370

12.6460, 10.4050,  
15.1810

0.0000, 0.0000,  
0.0000

120.8520, 15.9970,  
23.9730

120.8520, 15.9970,  
23.9730

111.8190, 20.7640,  
31.1960

129.8850, 11.2300,  
16.7500

102.7860, 25.5310,  
38.4190

138.9180, 6.4630,  
9.5270

93.7530, 30.2980,  
45.6420

147.9510, 1.6960,  
2.3040

84.7200, 35.0650,  
52.8650

156.9840, -3.0710,  
-4.9190

74.9860, 40.4280,  
60.3000

166.7180, -8.4340,  
-12.3540

65.9530, 45.1950,  
67.5230


175.7510,  
-13.2010, -19.5770

59.9690, 48.2660,  
72.4420

184.7840,  
-17.9680, -26.8000

193.8170,

-22.7350, -34.0230

 202.8500,  
-27.5020, -41.2460

# Harmonies

## Analogous

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



119.3310, -10.4570, 18.8150



120.8520, 15.9970, 23.9730



119.7370, 35.2540, 21.8940

# Triad

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



120.8520, 15.9970, 23.9730



115.3400, 27.7410, -12.6670



93.1990, -81.9280, -24.0400

# Complementary

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



120.8520, 15.9970, 23.9730



131.1480, -15.9970, -23.9730

# 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.



99.5040, -55.1060, -25.5540



120.8520, 15.9970, 23.9730



112.4620, 6.6060, -20.6100

# Square

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



120.8520, 15.9970, 23.9730



117.3620, 39.8430, -0.7090



108.1090, -20.2610, -23.7890



97.0180, -79.5000, -12.9720



# Rectangle

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



120.8520, 15.9970, 23.9730



118.8700, 41.9490, 16.1970



108.1090, -20.2610, -23.7890



92.2870, -79.3600, -26.5280

# Sweetspot

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



120.8520, 15.9970, 23.9730



184.6190, 5.8670, 9.3150



108.7930, -11.8780, 17.0340



92.4290, 3.3460, 5.4420



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



120.8520, 15.9970, 23.9730



148.9600, 24.9810, 37.3730



118.0020, 24.0220, 16.1980



72.0760, 2.8420, 3.5620



55.6540, 44.5990, 67.3110



5.1410, 4.2170, 6.1770



# Inverse Universe

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



120.8520, 15.9970, 23.9730



148.9600, 24.9810, 37.3730



133.9980, -24.0220, -16.1980



72.0760, 2.8420, 3.5620



55.6540, 44.5990, 67.3110

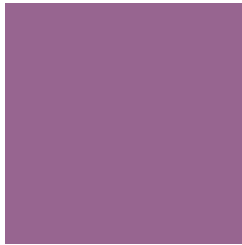


5.1410, 4.2170, 6.1770



# Previews

## White Background



This preview shows how the YIQ color 120.8520, 15.9970, 23.9730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

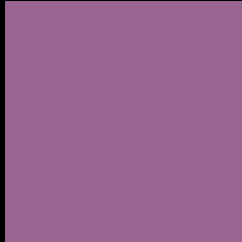
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.8520, 15.9970, 23.9730 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 120.8520, 15.9970, 23.9730

## Background



This preview shows how black text looks on a background with the YIQ color 120.8520, 15.9970, 23.9730.



This preview shows how white text looks on a background with the YIQ color 120.8520, 15.9970,



# 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

120.8520, 15.9970, 23.9730

### Protanopia

117.7550, -17.8830, 10.2210

### Deuteranopia

118.5620, -7.1540, 8.5100



## Tritanopia

119.8720, 21.2720, 10.9680

# Trichromacy



## Original Color

120.8520, 15.9970, 23.9730

## Protanomaly

119.1480, -5.6880, 14.9840

## Deuteranomaly

119.3290, 1.0520, 13.9800

## Tritanomaly

120.2510, 18.8870, 15.6470

# Monochromacy



## Original Color

120.8520, 15.9970, 23.9730

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

121.0920, 5.9130, 8.4810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.8520, 15.9970, 23.9730 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(151, 101, 144)` looks like.

```
.text, #text, p{  
    color:rgb(151, 101, 144)  
}
```

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(151, 101, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 101, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 120.8520, 15.9970, 23.9730 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(151, 101, 144) }
```



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

```
.border{ border-color:rgb(151, 101, 144) }
```

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

Here you see how a box with a 4 pixel rgb(151, 101, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 101, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 101, 144);  
box-shadow:4px 4px 4px 4px rgb(151, 101,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.8520, 15.9970, 23.9730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 101, 144) }
```

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

```
.background{ background-color: rgb(151,  
101, 144) }
```

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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