

# Converting Colors

YIQ(162.2990, 0.5960, 0.2120)

Have a look what the booklet for  
YIQ(162.2990, 0.5960, 0.2120)  
contains.

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# Color

**YIQ(162.2990, 0.5960,  
0.2120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3A2A2
RGB	163, 162, 162
RGB Percent	64%, 64%, 64%
CMY	0.3608, 0.3647, 0.3647
CMYK	0.00, 0.01, 0.01, 0.36
HSL	360°, 1%, 64%
HSV	0°, 1%, 64%
XYZ	34.5463, 36.2358, 39.3561
YIQ	162.2990, 0.5960, 0.2120

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">163, 162, 162</a>
Decimal	<a href="#">10724002</a>
CIELab	<a href="#">66.70, 0.36, 0.12</a>
CIElCh	<a href="#">67, 0.382, 18.119</a>
Yxy	<a href="#">36.2358, 0.3137, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4288914082</a> ( <a href="#">0xFFA3A2A2</a> )
YUV	<a href="#">162.2990, -0.1474, 0.6148</a>
Hunter-Lab	<a href="#">60.1961, -2.9030, 3.3736</a>

# Details

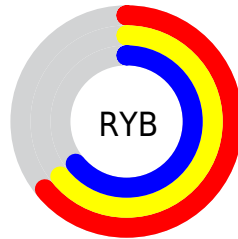
The YIQ color **162.2990, 0.5960, 0.2120** is a light color, and the websafe version is hex **999999**. A complement of this color would be **162.7010, -0.5960, -0.2120**, and the grayscale version is **162.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **217.2990, 0.5960, 0.2120**, and **110.2990, 0.5960, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **151.0830, 10.1320, 3.6040**, and if you desaturate by 10%, it is **173.5150, -8.9400, -3.1800**.

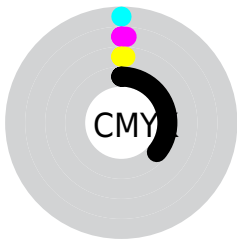
# Distribution



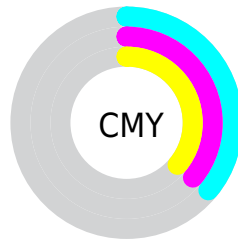
- Red (64%)
- Green (64%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (36%)




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


# Brightness & Saturation Gradients

These gradients show how the YIQ color 162.2990, 0.5960, 0.2120 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 162.2990, 0.5960, 0.2120 by changing the saturation by 10% instead.




 162.2990, 0.5960,  
0.2120

 162.2990, 0.5960,  
0.2120


255.0000, -0.0000,  
-0.0000


 136.2990, 0.5960,  
0.2120

 217.2990, 0.5960,  
0.2120


 110.2990, 0.5960,  
0.2120

 245.2990, 0.5960,  
0.2120

 86.2990, 0.5960,  
0.2120

 63.2990, 0.5960,  
0.2120

 41.2990, 0.5960,  
0.2120

 21.0000, -0.0000,  
-0.0000

 0.0000, 0.0000,

0.0000

■ 162.2990, 0.5960,  
0.2120

■ 162.2990, 0.5960,  
0.2120

■ 151.0830, 10.1320,  
3.6040

■ 173.5150, -8.9400,  
-3.1800

■ 139.1660, 20.2640,  
7.2080

■ 185.4320,  
-19.0720, -6.7840

■ 127.9500, 29.8000,  
10.6000

■ 196.6480,  
-28.6080, -10.1760

■ 116.7340, 39.3360,  
13.9920

■ 207.8640,  
-38.1440, -13.5680

■ 105.5180, 48.8720,  
17.3840

■ 219.1940,  
-48.0010, -16.6490

■ 93.6010, 59.0040,  
20.9880

■ 227.4920,  
-54.8320, -19.5040

■ 82.3850, 68.5400,  
24.3800

■ 71.1690, 78.0760,  
27.7720

■ 59.8390, 87.9330,  
30.8530

# Harmonies

# Triad

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



162.2990, 0.5960, 0.2120



162.0000, -0.0000, 0.0000



162.1140, -0.3210, 0.3110

# Complementary

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



162.2990, 0.5960, 0.2120



162.7010, -0.5960, -0.2120

# 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.



161.8150, -0.9170, 0.0990



162.2990, 0.5960, 0.2120



162.0000, -0.0000, 0.0000

# Square

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



162.2990, 0.5960, 0.2120



162.0000, -0.0000, 0.0000



161.7010, -0.5960, -0.2120



162.1140, -0.3210, 0.3110



# Rectangle

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



162.2990, 0.5960, 0.2120



162.2990, 0.5960, 0.2120



161.7010, -0.5960, -0.2120



162.1140, -0.3210, 0.3110

# Sweetspot

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



162.2990, 0.5960, 0.2120



212.0000, -0.0000, -0.0000



162.4130, 0.2750, 0.5230



107.0000, -0.0000, 0.0000



235.0000, 0.0000, -0.0000

# Same Dimension

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



162.2990, 0.5960, 0.2120



210.5980, 1.1920, 0.4240



162.8860, 0.3210, -0.3110



81.2990, 0.5960, 0.2120



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160



# Inverse Universe

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



162.7010, -0.5960, -0.2120



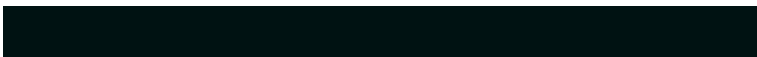
211.4020, -1.1920, -0.4240



81.7010, -0.5960, -0.2120



101.6450, -86.4200, -30.7400



12.6180, -10.7280, -3.8160

# Previews

## White Background



This preview shows how the YIQ color 162.2990, 0.5960, 0.2120 looks on a white background.

## Color Contrast Check

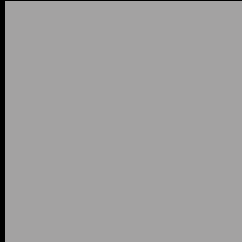
Large Text (above 18pt) WCAG AA × Fail

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 162.2990, 0.5960, 0.2120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

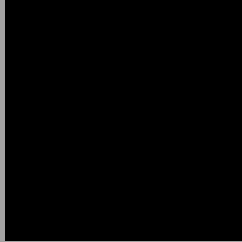
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

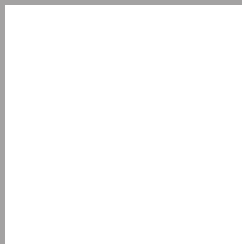
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 162.2990, 0.5960, 0.2120**

## **Background**



This preview shows how black text looks on a background with the YIQ color 162.2990, 0.5960, 0.2120.



This preview shows how white text looks on a background with the YIQ color 162.2990, 0.5960,

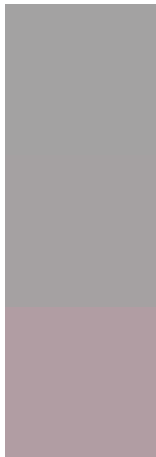


0.2120.

# 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

162.2990, 0.5960, 0.2120

### Protanopia

162.3100, 2.0630, 1.1590

### Deuteranopia

163.6640, 9.9940, 6.1060



## Tritanopia

162.9770, -1.1930, 5.1030

# Trichromacy



## Original Color

162.2990, 0.5960, 0.2120

## Protanomaly

162.0110, 1.4670, 0.9470

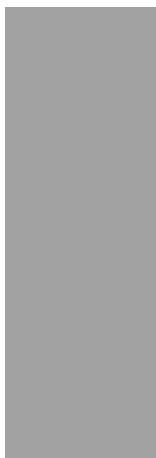
## Deuteranomaly

163.3430, 6.4640, 4.0000

## Tritanomaly

162.8090, -0.7800, 3.1240

# Monochromacy



## Original Color

162.2990, 0.5960, 0.2120

## Achromatopsia

162.0000, -0.0000, 0.0000

## Achromatomaly

162.0000, -0.0000, 0.0000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 162.2990, 0.5960, 0.2120 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, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(163, 162, 162)  
}
```

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, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 162, 162) }
```

## Border

The CSS property to change the border of an element to YIQ 162.2990, 0.5960, 0.2120 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, 162, 162) }
```

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

```
.border{ border-color:rgb(163, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(163, 162,  
162) }
```

# Background

The CSS property to change the background color of an element to YIQ 162.2990, 0.5960, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 162, 162) }
```

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

```
.background{ background-color: rgb(163,  
162, 162) }
```

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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