

# Converting Colors

YIQ(163.1000, 20.6300, 11.5900)

Have a look what the booklet for  
YIQ(163.1000, 20.6300, 11.5900)  
contains.

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# Color

**YIQ(163.1000, 20.6300,  
11.5900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE96A0
RGB	190, 150, 160
RGB Percent	75%, 59%, 63%
CMY	0.2548, 0.4118, 0.3725
CMYK	0.00, 0.21, 0.16, 0.25
HSL	345°, 24%, 67%
HSV	345°, 21%, 75%
XYZ	38.4921, 35.2965, 38.0505
YIQ	163.1000, 20.6300, 11.5900

# Conversions

## Conversions Part 2

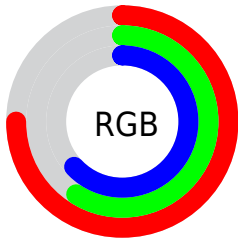
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 150, 160
Decimal	12490400
CIE <sub>Lab</sub>	65.98, 16.57, 0.47
CIE <sub>LCh</sub>	66, 16.575, 1.622
Yxy	35.2965, 0.3442, 0.3156
Android (android.graphics.Color)	4290680480 (0xFFBE96A0)
YUV	163.1000, -1.5283, 23.5913
Hunter-Lab	59.4109, 11.6806, 3.6145

# Details

The YIQ color **163.1000, 20.6300, 11.5900** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **176.9000, -20.6300, -11.5900**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **218.1110, 22.0970, 12.5370**, and **111.2030, 18.8420, 10.9540** is the 20% darker color. If you saturate the color by 10%, you get **150.3510, 30.3490, 17.1730**, and if you desaturate by 10%, it is **175.8490, 10.9110, 6.0070**.

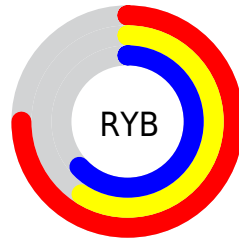
# Distribution



Red (75%)

Green (59%)

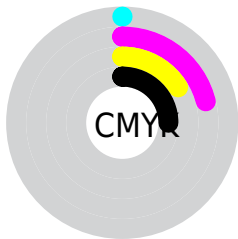
Blue (63%)



Red (75%)

Yellow (59%)

Blue (63%)

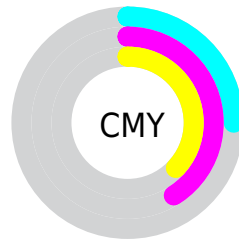


Cyan (0%)

Magenta (21%)

Yellow (16%)

Black (25%)



Cyan (25%)

Magenta (41%)


Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 163.1000, 20.6300, 11.5900 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 163.1000, 20.6300, 11.5900 by changing the saturation by 10% instead.





 163.1000, 20.6300,  
11.5900


 163.1000, 20.6300,  
11.5900


255.0000, -0.0000,  
-0.0000


 136.8010, 20.0340,  
11.3780


 218.1110, 22.0970,  
12.5370


 111.2030, 18.8420,  
10.9540

 240.7180, 9.9020,  
7.7740

 86.4910, 17.9710,  
10.2190

 62.8930, 16.7790,  
9.7950

 40.7080, 15.8620,  
9.8940

 18.5230, 14.9450,  
9.9930

 0.0000, 0.0000,

0.0000

■ 163.1000, 20.6300,  
11.5900

■ 163.1000, 20.6300,  
11.5900

■ 150.3510, 30.3490,  
17.1730

■ 175.8490, 10.9110,  
6.0070

■ 137.6020, 40.0680,  
22.7560

■ 188.7120, 0.8710,  
0.7350

■ 124.7390, 50.1080,  
28.0280

■ 201.4610, -8.8480,  
-4.8480

■ 111.9900, 59.8270,  
33.6110

■ 214.2100,  
-18.5670, -10.4310

■ 99.2410, 69.5460,  
39.1940

■ 226.9590,  
-28.2860, -16.0140

■ 86.4920, 79.2650,  
44.7770

■ 234.4250,  
-35.5300, -16.8900

■ 73.6290, 89.3050,  
50.0490

■ 235.5650,  
-38.7400, -13.7800

■ 62.2820, 97.8320,  
55.2080

# Harmonies

## Analogous

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



163.2930, 9.9010, 13.3010



163.1000, 20.6300, 11.5900



162.2760, 25.7660, 6.6140

# Triad

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



163.1000, 20.6300, 11.5900



158.0030, 3.9450, -10.9270



156.9180, -29.0680, -1.8360

# Complementary

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



163.1000, 20.6300, 11.5900



176.9000, -20.6300, -11.5900

# 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.



154.7450, -30.2590, -7.7870



163.1000, 20.6300, 11.5900



156.5220, -10.8180, -13.2020

# Square

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



163.1000, 20.6300, 11.5900



159.9830, 15.8650, -6.6870



154.9320, -23.6560, -11.8160



159.5220, -18.8450, 5.6270



# Rectangle

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



163.1000, 20.6300, 11.5900



161.4560, 25.0790, 2.5430



154.9320, -23.6560, -11.8160



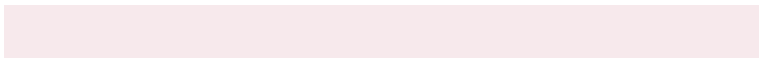
155.9670, -30.7640, -4.1400

# Sweetspot

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



163.1000, 20.6300, 11.5900



237.5280, 7.3810, 3.9010



163.2310, 4.4440, 18.5880



118.9190, 4.7220, 2.5300



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



163.1000, 20.6300, 11.5900



205.9490, 31.5410, 17.5970



167.2430, 21.3650, 3.7730



87.9190, 4.7220, 2.5300



51.8020, 81.3280, 45.9360



10.1810, 15.9080, 9.0600



# Inverse Universe

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



163.1000, 20.6300, 11.5900



205.9490, 31.5410, 17.5970



172.7570, -21.3650, -3.7730



87.9190, 4.7220, 2.5300



51.8020, 81.3280, 45.9360



10.1810, 15.9080, 9.0600



# Previews

## White Background



This preview shows how the YIQ color 163.1000, 20.6300, 11.5900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

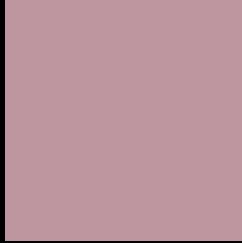
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 163.1000, 20.6300, 11.5900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

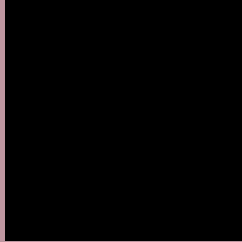
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 163.1000, 20.6300, 11.5900

## Background



This preview shows how black text looks on a background with the YIQ color 163.1000, 20.6300, 11.5900.



This preview shows how white text looks on a background with the YIQ color 163.1000, 20.6300,



# 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

163.1000, 20.6300, 11.5900

### Protanopia

161.2820, -0.7340, 2.2900

### Deuteranopia

162.0340, 11.8280, 5.9080



## Tritanopia

163.2140, 20.3090, 11.9010

# Trichromacy



## Original Color

163.1000, 20.6300, 11.5900

## Protanomaly

161.6960, 6.9680, 5.8800

## Deuteranomaly

162.3550, 15.3580, 8.0140

## Tritanomaly

163.2140, 20.3090, 11.9010

# Monochromacy



## Original Color

163.1000, 20.6300, 11.5900

## Achromatopsia

163.0000, -0.0000, -0.0000

## Achromatomaly

162.9410, 7.6560, 4.4240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 163.1000, 20.6300, 11.5900 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(190, 150, 160)` looks like.

```
.text, #text, p{  
    color:rgb(190, 150, 160)  
}
```

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(190, 150, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 150, 160) }
```

## Border

The CSS property to change the border of an element to YIQ 163.1000, 20.6300, 11.5900 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(190, 150, 160) }
```



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

```
.border{ border-color:rgb(190, 150, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 150, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 150, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 150, 160);  
box-shadow:4px 4px 4px 4px rgb(190, 150,  
160) }
```

# Background

The CSS property to change the background color of an element to YIQ 163.1000, 20.6300, 11.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 150, 160) }
```

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

```
.background{ background-color: rgb(190,  
150, 160) }
```

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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