

# Converting Colors

YIQ(120.5550, 30.2550, 29.8950)

Have a look what the booklet for  
YIQ(120.5550, 30.2550, 29.8950)  
contains.

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# Color

**YIQ(120.5550, 30.2550,  
29.8950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A85D8A
RGB	168, 93, 138
RGB Percent	66%, 36%, 54%
CMY	0.3410, 0.6354, 0.4587
CMYK	0.00, 0.45, 0.18, 0.34
HSL	324°, 30%, 51%
HSV	324°, 45%, 66%
XYZ	24.6603, 17.9894, 26.2256
YIQ	120.5550, 30.2550, 29.8950

# Conversions

## Conversions Part 2

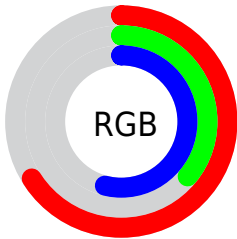
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 93, 138
Decimal	11033994
CIE <sub>Lab</sub>	49.48, 36.65, -11.54
CIE <sub>LCh</sub>	49, 38.419, 342.527
Yxy	17.9894, 0.3580, 0.2612
Android (android.graphics.Color)	4289224074 (0xFFA85D8A)
YUV	120.5550, 8.6004, 41.6093
Hunter-Lab	42.4139, 29.5590, -6.9707

# Details

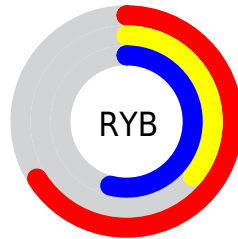
The YIQ color **120.5550, 30.2550, 29.8950** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **140.4450, -30.2550, -29.8950**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **174.1640, 32.9140, 31.2660**, and **69.3590, 27.8710, 29.0470** is the 20% darker color. If you saturate the color by 10%, you get **109.7780, 37.1770, 36.6090**, and if you desaturate by 10%, it is **131.3320, 23.3330, 23.1810**.

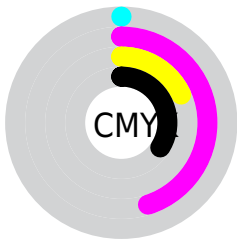
# Distribution



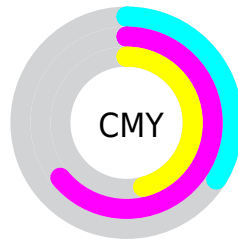
- Red (66%)
- Green (36%)
- Blue (54%)



- Red (66%)
- Yellow (36%)
- Blue (54%)



- Cyan (0%)
- Magenta (45%)
- Yellow (18%)
- Black (34%)



- Cyan (34%)
- Magenta (64%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.5550, 30.2550, 29.8950 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 120.5550, 30.2550, 29.8950 by changing the saturation by 10% instead.



120.5550, 30.2550,  
29.8950

120.5550, 30.2550,  
29.8950

255.0000, -0.0000,  
-0.0000

94.9570, 29.0630,  
29.4710

174.1640, 32.9140,  
31.2660

69.3590, 27.8710,  
29.0470

201.8760, 33.7850,  
32.0010

43.7010, 26.9080,  
29.9800

221.9170, 17.3720,  
26.5880

23.7390, 23.7450,  
26.7290

239.1510, 7.4250,  
14.1210

15.1800, 17.6490,  
16.0570

0.0000, 0.0000,  
0.0000

120.5550, 30.2550,  
29.8950

120.5550, 30.2550,  
29.8950

109.7780, 37.1770,  
36.6090

131.3320, 23.3330,  
23.1810

99.1150, 43.7780,  
43.6340

141.9950, 16.7320,  
16.1560

88.9250, 50.4250,  
49.8250

152.1850, 10.0850,  
9.9650

78.1480, 57.3470,  
56.5390

162.9620, 3.1630,  
3.2510

67.3710, 64.2690,  
63.2530

173.7390, -3.7590,  
-3.4630


61.7460, 67.7070,  
67.0270

184.4020,  
-10.3600, -10.4880

195.1790,  
-17.2820, -17.2020

205.3690,

-23.9290, -23.3930

 216.1460,  
-30.8510, -30.1070

# Harmonies

## Analogous

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



121.2340, 0.3620, 26.4900



120.5550, 30.2550, 29.8950



118.3210, 48.2290, 23.5330

# Triad

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



120.5550, 30.2550, 29.8950



113.3300, 24.5330, -20.6110



95.8380, -87.9810, -18.9650

# Complementary

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



120.5550, 30.2550, 29.8950



140.4450, -30.2550, -29.8950

# 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.



93.5920, -78.9010, -29.3410



120.5550, 30.2550, 29.8950



109.2000, -4.5800, -27.1400

# Square

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



120.5550, 30.2550, 29.8950



116.0000, 43.5580, -7.4660



99.8930, -46.2560, -31.7600



94.3680, -92.1090, -10.2290



# Rectangle

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



120.5550, 30.2550, 29.8950



117.6770, 52.6780, 14.4860



99.8930, -46.2560, -31.7600



95.3990, -85.3670, -22.2870

# Sweetspot

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



120.5550, 30.2550, 29.8950



201.3100, 11.2310, 11.2230



110.2210, -6.7910, 29.4730



98.6360, 7.1970, 7.2370



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



120.5550, 30.2550, 29.8950



144.3760, 47.5370, 47.0970



116.4510, 41.8110, 18.6990



78.9620, 3.1630, 3.2510



54.3980, 59.6390, 59.0550



7.3480, 8.0680, 7.9720



# Inverse Universe

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



120.5550, 30.2550, 29.8950



144.3760, 47.5370, 47.0970



144.5490, -41.8110, -18.6990



78.9620, 3.1630, 3.2510



54.3980, 59.6390, 59.0550

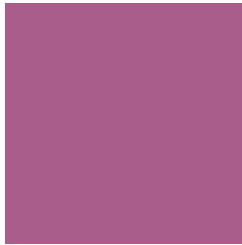


7.3480, 8.0680, 7.9720



# Previews

## White Background



This preview shows how the YIQ color 120.5550, 30.2550, 29.8950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

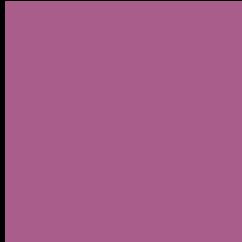
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.5550, 30.2550, 29.8950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

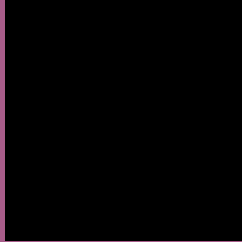
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.5550, 30.2550, 29.8950

## Background



This preview shows how black text looks on a background with the YIQ color 120.5550, 30.2550, 29.8950.



This preview shows how white text looks on a background with the YIQ color 120.5550, 30.2550,



# 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

120.5550, 30.2550, 29.8950

### Protanopia

118.6410, -17.5620, 9.9100

### Deuteranopia

119.2590, -1.9270, 7.3930



## Tritanopia

119.6460, 36.7680, 16.4800

# Trichromacy



## Original Color

120.5550, 30.2550, 29.8950

## Protanomaly

119.2520, -0.0490, 17.4150

## Deuteranomaly

119.7600, 10.0840, 15.4920

## Tritanomaly

120.0250, 34.3830, 21.1590

# Monochromacy



## Original Color

120.5550, 30.2550, 29.8950

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.8970, 10.9560, 10.7000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.5550, 30.2550, 29.8950 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(168, 93, 138)` looks like.

```
.text, #text, p{  
    color:rgb(168, 93, 138)  
}
```

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(168, 93, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 93, 138) }
```

## Border

The CSS property to change the border of an element to YIQ 120.5550, 30.2550, 29.8950 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(168, 93, 138) }
```



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

```
.border{ border-color:rgb(168, 93, 138) }
```

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

Here you see how a box with a 4 pixel rgb(168, 93, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 93, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 93, 138);  
box-shadow:4px 4px 4px 4px rgb(168, 93,  
138) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.5550, 30.2550, 29.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 93, 138) }
```

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

```
.background{ background-color: rgb(168, 93,  
138) }
```

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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