

Converting Colors

YIQ(68.1970, 64.8190, 64.2990)

Have a look what the booklet for
YIQ(68.1970, 64.8190, 64.2990)
contains.

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Color

**YIQ(68.1970, 64.8190,
64.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	AA096A
RGB	170, 9, 106
RGB Percent	67%, 4%, 42%
CMY	0.3329, 0.9649, 0.5841
CMYK	0.00, 0.95, 0.38, 0.33
HSL	324°, 90%, 35%
HSV	324°, 95%, 67%
XYZ	19.3029, 9.7941, 14.5214
YIQ	68.1970, 64.8190, 64.2990

Conversions

Conversions Part 2

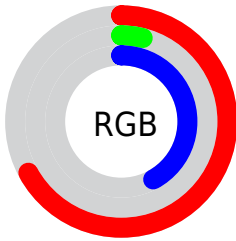
Format	Color
R_{YB}	170, 9, 106
Decimal	11143530
CIE _{Lab}	37.47, 63.42, -9.99
CIE _{LCh}	37, 64.206, 351.046
Yxy	9.7941, 0.4425, 0.2245
Android (android.graphics.Color)	4289333610 (0xFFAA096A)
YUV	68.1970, 18.6369, 89.2812
Hunter-Lab	31.2956, 55.3303, -5.6041

Details

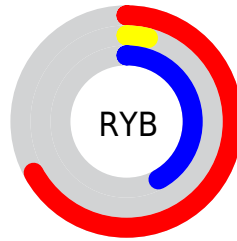
The YIQ color **68.1970, 64.8190, 64.2990** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **110.8030, -64.8190, -64.2990**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.3890, 63.8580, 54.1780**, and **40.2140, 47.8130, 42.0930** is the 20% darker color. If you saturate the color by 10%, you get **62.4580, 68.5780, 67.7620**, and if you desaturate by 10%, it is **78.9740, 57.8970, 57.5850**.

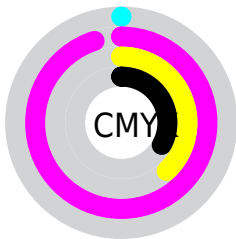
Distribution



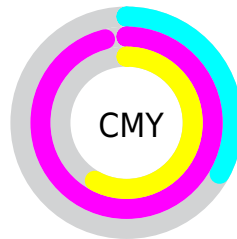
- Red (67%)
- Green (4%)
- Blue (42%)



- Red (67%)
- Yellow (4%)
- Blue (42%)



- Cyan (0%)
- Magenta (95%)
- Yellow (38%)
- Black (33%)





- Cyan (33%)
- Magenta (96%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 68.1970, 64.8190, 64.2990 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 68.1970, 64.8190, 64.2990 by changing the saturation by 10% instead.


 68.1970, 64.8190,
64.2990


 68.1970, 64.8190,
64.2990


255.0000, -0.0000,
-0.0000


 51.5070, 57.7140,
55.3940


 135.3890, 63.8580,
54.1780


 40.2140, 47.8130,
42.0930


 162.9650, 62.1160,
52.7080


 29.3340, 38.1870,
29.3150

 182.5930, 45.4280,
46.7720

 19.0520, 29.7530,
16.9610

 202.8080, 28.4650,
40.3130

 6.2790, 12.5160,
4.4520

 221.5410, 15.6750,
29.8110

 0.0000, 0.0000,
0.0000

 238.5640, 7.7000,

14.6440

■ 68.1970, 64.8190,
64.2990

■ 68.1970, 64.8190,
64.2990

■ 62.4580, 68.5780,
67.7620

■ 78.9740, 57.8970,
57.5850

■ 89.7510, 50.9750,
50.8710

■ 100.4140, 44.3740,
43.8460

■ 111.1910, 37.4520,
37.1320

■ 121.9680, 30.5300,
30.4180

■ 132.7450, 23.6080,
23.7040

■ 143.4080, 17.0070,
16.6790

■ 154.1850, 10.0850,
9.9650

■ 164.9620, 3.1630,
3.2510

Harmonies

Analogous

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



87.8470, 15.5340, 48.8940



68.1970, 64.8190, 64.2990



67.9870, 82.2450, 45.8370

Triad

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



68.1970, 64.8190, 64.2990



78.4780, 17.7040, -34.5200



82.6620, -83.9490, -3.9250

Complementary

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



68.1970, 64.8190, 64.2990



110.8030, -64.8190, -64.2990

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.



78.7060, -70.0540, -18.9660



68.1970, 64.8190, 64.2990



62.5470, -31.4430, -52.4270

Square

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



68.1970, 64.8190, 64.2990



83.7260, 49.8410, -16.7110



71.9630, -52.4450, -35.2370



80.0010, -88.8570, 7.9350

Rectangle

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



68.1970, 64.8190, 64.2990



76.8560, 80.0950, 18.7110



71.9630, -52.4450, -35.2370



81.7670, -80.0510, -8.4910

Sweetspot

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



68.1970, 64.8190, 64.2990



182.7560, 25.0750, 24.6510



45.8920, -14.7290, 63.2150



87.9840, 15.2650, 15.2090



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



68.1970, 64.8190, 64.2990



81.6540, 89.2980, 88.7380



59.3050, 89.8570, 40.0410



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.



68.1970, 64.8190, 64.2990



81.6540, 89.2980, 88.7380



119.6950, -89.8570, -40.0410



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 68.1970, 64.8190, 64.2990 looks on a white background.

Color Contrast Check

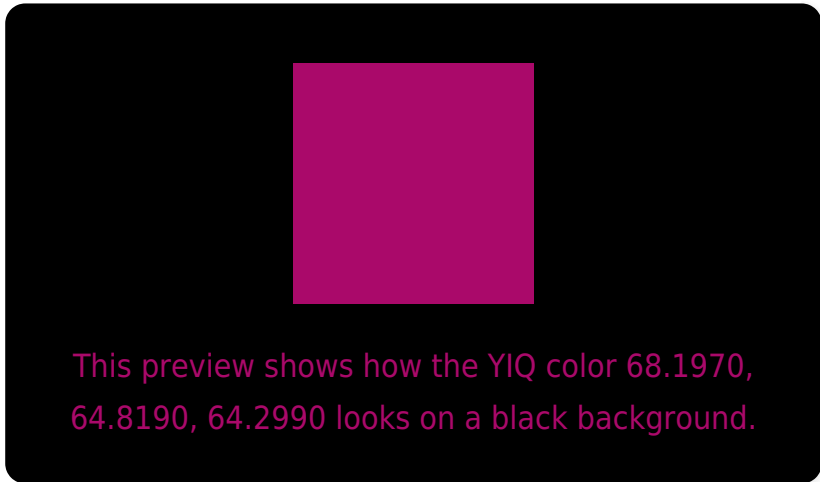
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

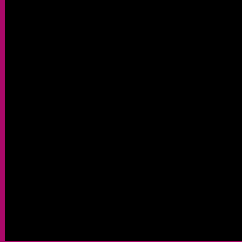
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.1970, 64.8190, 64.2990

Background



This preview shows how black text looks on a background with the YIQ color 68.1970, 64.8190, 64.2990.



This preview shows how white text looks on a background with the YIQ color 68.1970, 64.8190,

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

68.1970, 64.8190, 64.2990

Protanopia

88.0060, -34.5270, 14.5050

Deuteranopia

91.3470, 0.6410, 4.9050



Tritanopia

79.3040, 73.2620, 26.9100

Trichromacy



Original Color

68.1970, 64.8190, 64.2990

Protanomaly

80.8200, 1.8280, 32.9640

Deuteranomaly

82.7390, 23.7450, 26.7290

Tritanomaly

75.1810, 69.7750, 40.5510

Monochromacy



Original Color

68.1970, 64.8190, 64.2990

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.3320, 23.3330, 23.1810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.1970, 64.8190, 64.2990 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(170, 9, 106)` looks like.

```
.text, #text, p{  
    color:rgb(170, 9, 106)  
}
```

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(170, 9, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 9, 106) }
```

Border

The CSS property to change the border of an element to YIQ 68.1970, 64.8190, 64.2990 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(170, 9, 106) }
```


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

```
.border{ border-color:rgb(170, 9, 106) }
```

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

Here you see how a box with a 4 pixel rgb(170, 9, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 9, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 9, 106);  
box-shadow:4px 4px 4px 4px rgb(170, 9,  
106) }
```

Background

The CSS property to change the background color of an element to YIQ 68.1970, 64.8190, 64.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 9, 106) }
```

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

```
.background{ background-color: rgb(170, 9,  
106) }
```

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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