

Converting Colors

YIQ(16.5800, 1.6030, 9.4990)

Have a look what the booklet for
YIQ(16.5800, 1.6030, 9.4990)
contains.

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Color

YIQ(16.5800, 1.6030, 9.4990)

Conversions

Conversions Part 1

Format	Color
Hex	180A1F
RGB	24, 10, 31
RGB Percent	9%, 4%, 12%
CMY	0.9058, 0.9608, 0.8784
CMYK	0.23, 0.68, 0.00, 0.88
HSL	280°, 51%, 8%
HSV	280°, 68%, 12%
XYZ	0.7327, 0.5102, 1.3560
YIQ	16.5800, 1.6030, 9.4990

Conversions

Conversions Part 2

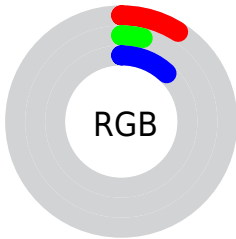
Format	Color
RYB	24, 10, 31
Decimal	1575455
CIELab	4.61, 10.15, -10.83
CIELCh	5, 14.841, 313.155
Yxy	0.5102, 0.2819, 0.1963
Android (android.graphics.Color)	4279765535 (0xFF180A1F)
YUV	16.5800, 7.1091, 6.5073
Hunter-Lab	7.1429, 5.8110, -6.2556

Details

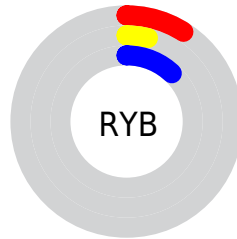
The YIQ color **16.5800, 1.6030, 9.4990** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **24.4200, -1.6030, -9.4990**, and the grayscale version is **17.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **59.9820, 0.4110, 9.0750**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **14.5200, 1.8320, 10.8560**, and if you desaturate by 10%, it is **18.6400, 1.3740, 8.1420**.

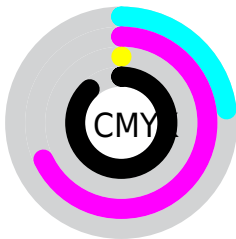
Distribution



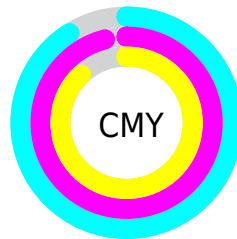
- Red (9%)
- Green (4%)
- Blue (12%)



- Red (9%)
- Yellow (4%)
- Blue (12%)



- Cyan (23%)
- Magenta (68%)
- Yellow (0%)
- Black (88%)



- Cyan (91%)
- Magenta (96%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 16.5800, 1.6030, 9.4990 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 16.5800, 1.6030, 9.4990 by changing the saturation by 10% instead.

■ 16.5800, 1.6030,
9.4990

■ 16.5800, 1.6030,
9.4990

■ 241.1780, 2.7950,
9.9230

■ 0.4560, -1.2840,
1.2440

■ 59.9820, 0.4110,
9.0750

■ 0.0000, 0.0000,
0.0000

■ 83.3950, 0.6860,
9.5980

■ 107.5090, 0.3650,
9.9090

■ 132.8080, 0.9610,
10.1210

■ 158.3350, 0.9150,
10.9550

■ 185.7480, 1.1900,

11.4780

■ 213.4490, 0.5940,
11.2660

■ 16.5800, 1.6030,
9.4990

■ 16.5800, 1.6030,
9.4990

■ 14.5200, 1.8320,
10.8560

■ 18.6400, 1.3740,
8.1420

■ 12.4600, 2.0610,
12.2130

■ 20.7000, 1.1450,
6.7850

■ 10.4000, 2.2900,
13.5700

■ 22.7600, 0.9160,
5.4280

■ 9.8130, 2.5650,
14.0930

■ 24.8200, 0.6870,
4.0710

■ 26.8800, 0.4580,
2.7140

■ 29.5270, -0.0460,
0.8340

■ 31.5870, -0.2750,
-0.5230

■ 33.6470, -0.5040,
-1.8800

■ 35.7070, -0.7330,
-3.2370

Harmonies

Analogous

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



15.0020, -11.5090, 4.8350



16.5800, 1.6030, 9.4990



16.0110, 10.6350, 11.0110

Triad

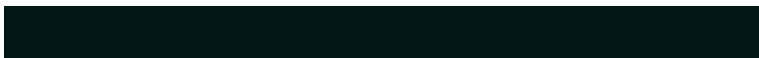
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.5800, 1.6030, 9.4990



15.7040, 12.5170, -1.0750



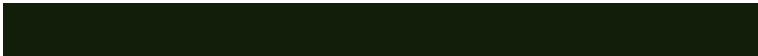
15.8950, -13.0660, -5.4980

Complementary

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



16.5800, 1.6030, 9.4990



24.4200, -1.6030, -9.4990

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.



14.1850, -8.2510, -10.1630



16.5800, 1.6030, 9.4990



14.7630, 4.8610, -5.4990

Square

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



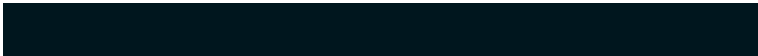
16.5800, 1.6030, 9.4990



15.1610, 18.6600, 3.2360



12.3270, -5.7750, -10.9830



16.3340, -15.6800, -2.1760

Rectangle

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



16.5800, 1.6030, 9.4990



15.1100, 14.6700, 9.4700



12.3270, -5.7750, -10.9830



15.4390, -11.7820, -6.7420

Sweetspot

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



16.5800, 1.6030, 9.4990



35.4070, 0.4120, 3.5480



16.5030, -8.6660, 2.8700



17.3530, 0.5040, 1.8800



148.0000, -0.0000, 0.0000



20.0000, 0.0000, -0.0000

Same Dimension

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



16.5800, 1.6030, 9.4990



18.3400, 2.5190, 14.9270



18.2170, 7.0590, 9.7390



14.4130, 0.2750, 0.5230



24.8530, 6.2290, 35.8050



64.8600, 15.8010, 93.6330

Inverse Universe

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



17.0770, 10.2690, 6.6290



19.1210, 16.1370, 10.4170



22.6690, -6.7380, -10.0500



14.2990, 0.5960, 0.2120



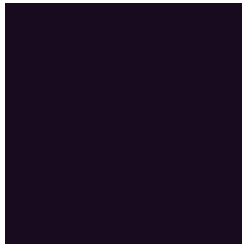
26.5850, 38.7380, 24.8340



69.7590, 101.2230, 65.3430

Previews

White Background



This preview shows how the YIQ color 16.5800, 1.6030, 9.4990 looks on a white background.

Color Contrast Check

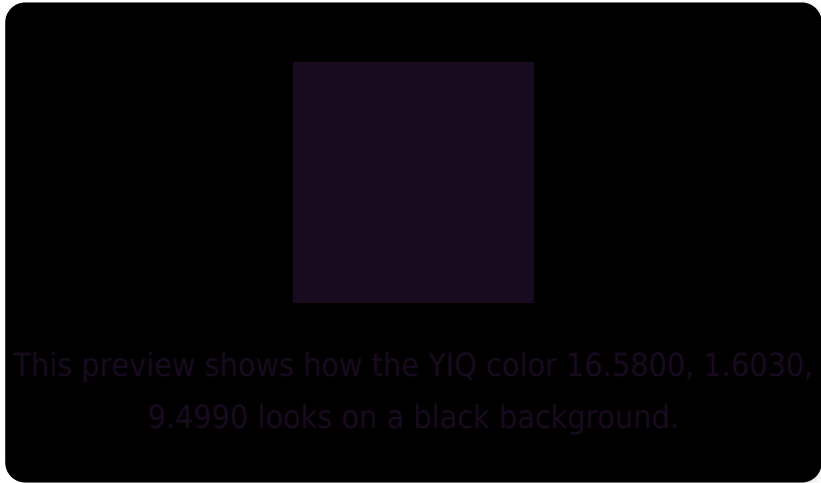
Large Text (above 18pt) WCAG AA ✓ Pass

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

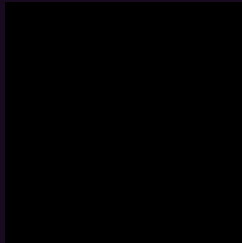
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 16.5800, 1.6030, 9.4990

Background



This preview shows how black text looks on a background with the YIQ color 16.5800, 1.6030, 9.4990.



This preview shows how white text looks on a background with the YIQ color 16.5800, 1.6030, 9.4990.

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

16.5800, 1.6030, 9.4990

Protanopia

13.2680, -15.3140, 2.2060

Deuteranopia

14.8940, -11.3250, 1.4990



Tritanopia

17.2070, 3.8510, 1.7950

Trichromacy



Original Color

16.5800, 1.6030, 9.4990

Protanomaly

14.6710, -9.0790, 4.8490

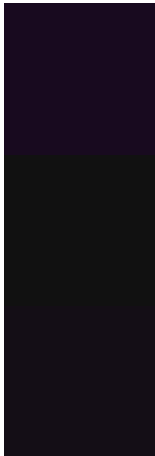
Deuteranomaly

15.2260, -6.3280, 4.5520

Tritanomaly

16.9020, 3.3920, 4.6080

Monochromacy



Original Color

16.5800, 1.6030, 9.4990

Achromatopsia

17.0000, -0.0000, 0.0000

Achromatomaly

16.7060, 1.0080, 3.7600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 16.5800, 1.6030, 9.4990 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(24, 10, 31)` looks like.

```
.text, #text, p{  
    color:rgb(24, 10, 31)  
}
```

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(24, 10, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 10, 31) }
```

Border

The CSS property to change the border of an element to YIQ 16.5800, 1.6030, 9.4990 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(24, 10, 31) }
```

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

```
.border{ border-color:rgb(24, 10, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 10, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 10, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 10, 31);  
box-shadow:4px 4px 4px 4px rgb(24, 10, 31)  
}
```


Background

The CSS property to change the background color of an element to YIQ 16.5800, 1.6030, 9.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 10, 31) }
```

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

```
.background{ background-color: rgb(24, 10,  
31) }
```

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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