

Converting Colors

YIQ(31.3600, 16.9620, 11.9860)

Have a look what the booklet for
YIQ(31.3600, 16.9620, 11.9860)
contains.

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Color

**YIQ(31.3600, 16.9620,
11.9860)**

Conversions

Conversions Part 1

Format	Color
Hex	371321
RGB	55, 19, 33
RGB Percent	22%, 7%, 13%
CMY	0.7842, 0.9255, 0.8705
CMYK	0.00, 0.65, 0.40, 0.78
HSL	337°, 49%, 15%
HSV	337°, 65%, 22%
XYZ	2.0842, 1.3880, 1.5980
YIQ	31.3600, 16.9620, 11.9860

Conversions

Conversions Part 2

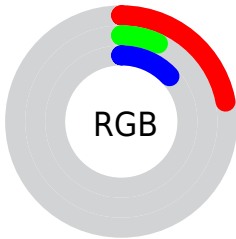
Format	Color
R_{YB}	55, 19, 33
Decimal	3609377
CIE _{Lab}	11.88, 19.79, -0.90
CIE _{LCh}	12, 19.807, 357.391
Yxy	1.3880, 0.4111, 0.2738
Android (android.graphics.Color)	4281799457 (0xFF371321)
YUV	31.3600, 0.8085, 20.7323
Hunter-Lab	11.7814, 10.9601, 0.2053

Details

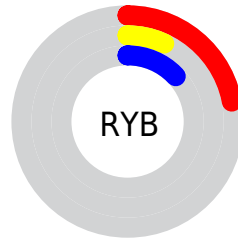
The YIQ color **31.3600, 16.9620, 11.9860** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **42.6400, -16.9620, -11.9860**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **76.8550, 19.9420, 13.0460**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **27.4960, 19.5750, 14.1910**, and if you desaturate by 10%, it is **34.6370, 14.6240, 10.3040**.

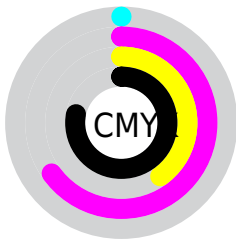
Distribution



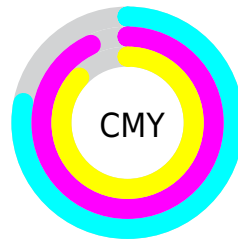
- Red (22%)
- Green (7%)
- Blue (13%)



- Red (22%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (40%)
- Black (78%)



- Cyan (78%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.3600, 16.9620, 11.9860 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 31.3600, 16.9620, 11.9860 by changing the saturation by 10% instead.

■ 31.3600, 16.9620,
11.9860

■ 31.3600, 16.9620,
11.9860

■ 250.3040, 2.2000,
4.1840

■ 11.9040, 18.2460,
10.7420

■ 76.8550, 19.9420,
13.0460

■ 0.0000, 0.0000,
0.0000

■ 101.1540, 20.5380,
13.2580

■ 126.7520, 21.7300,
13.6820

■ 152.4640, 22.6010,
14.4170

■ 179.6490, 23.5180,
14.3180

■ 207.3610, 24.3890,

15.0530

■ 231.4740, 16.6410,
12.2970

■ 31.3600, 16.9620,
11.9860

■ 31.3600, 16.9620,
11.9860

■ 27.4960, 19.5750,
14.1910

■ 34.6370, 14.6240,
10.3040

■ 24.1050, 22.2340,
15.5620

■ 38.6150, 11.6900,
8.4100

■ 20.2410, 24.8470,
17.7670

■ 41.8920, 9.3520,
6.7280

■ 18.8390, 26.0390,
18.1910

■ 45.7560, 6.7390,
4.5230

■ 49.1470, 4.0800,
3.1520

■ 53.0110, 1.4670,
0.9470

■ 56.9890, -1.4670,
-0.9470

■ 60.2660, -3.8050,
-2.6290

■ 64.1300, -6.4180,
-4.8340

Harmonies

Analogous

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



32.7980, 6.9210, 12.2410



31.3600, 16.9620, 11.9860



30.6500, 21.7770, 7.3210

Triad

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



31.3600, 16.9620, 11.9860



28.3300, 7.3380, -11.8460



27.2880, -27.2340, -2.0340

Complementary

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



31.3600, 16.9620, 11.9860



42.6400, -16.9620, -11.9860

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.



27.2080, -24.2530, -6.5010



31.3600, 16.9620, 11.9860



25.8210, -10.2220, -12.9900

Square

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



31.3600, 16.9620, 11.9860



29.8690, 16.1860, -6.9980



25.7260, -20.0800, -10.5440



25.9830, -27.6930, 0.7790

Rectangle

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



31.3600, 16.9620, 11.9860



30.2600, 22.6950, 1.6950



25.7260, -20.0800, -10.5440



27.5330, -26.5460, -3.4900

Sweetspot

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



31.3600, 16.9620, 11.9860



61.8700, 6.4180, 4.8340



29.6820, 1.5560, 15.8600



30.0330, 4.4010, 2.8410



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



31.3600, 16.9620, 11.9860



34.2520, 26.3140, 18.7140



32.1120, 20.3560, 5.5400



26.0110, 1.4670, 0.9470



31.6120, 43.2760, 30.7000



75.1710, 103.2390, 72.8630

Inverse Universe

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



31.3600, 16.9620, 11.9860



34.2520, 26.3140, 18.7140



41.8880, -20.3560, -5.5400



26.0110, 1.4670, 0.9470



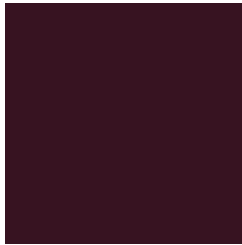
31.6120, 43.2760, 30.7000



75.1710, 103.2390, 72.8630

Previews

White Background



This preview shows how the YIQ color 31.3600, 16.9620, 11.9860 looks on a white background.

Color Contrast Check

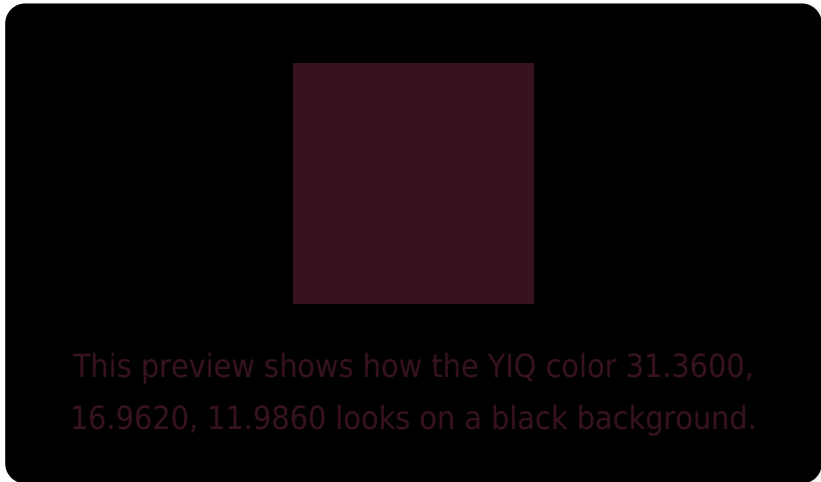
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3600, 16.9620, 11.9860

Background



This preview shows how black text looks on a background with the YIQ color 31.3600, 16.9620, 11.9860.



This preview shows how white text looks on a background with the YIQ color 31.3600, 16.9620,

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

31.3600, 16.9620, 11.9860

Protanopia

32.4280, -4.0810, 2.3750

Deuteranopia

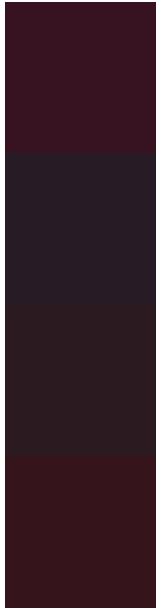
32.4950, 2.9800, 1.0600



Tritanopia

31.0950, 19.0260, 7.6180

Trichromacy



Original Color

31.3600, 16.9620, 11.9860

Protanomaly

31.8420, 3.6210, 5.9650

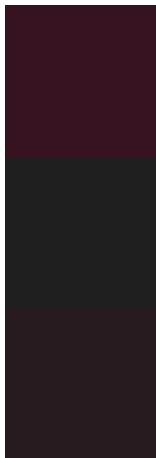
Deuteranomaly

32.3540, 7.9310, 4.9470

Tritanomaly

30.9640, 18.0170, 9.3850

Monochromacy



Original Color

31.3600, 16.9620, 11.9860

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.4570, 6.1430, 4.3110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.3600, 16.9620, 11.9860 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(55, 19, 33)` looks like.

```
.text, #text, p{  
    color:rgb(55, 19, 33)  
}
```

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(55, 19, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 19, 33) }
```

Border

The CSS property to change the border of an element to YIQ 31.3600, 16.9620, 11.9860 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(55, 19, 33) }
```


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

```
.border{ border-color:rgb(55, 19, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 19, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 19, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 19, 33);  
box-shadow:4px 4px 4px 4px rgb(55, 19, 33)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.3600, 16.9620, 11.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 19, 33) }
```

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

```
.background{ background-color: rgb(55, 19,  
33) }
```

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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