

Converting Colors

YIQ(31.6690, 11.5980, 10.0780)

Have a look what the booklet for
YIQ(31.6690, 11.5980, 10.0780)
contains.

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Color

**YIQ(31.6690, 11.5980,
10.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	311624
RGB	49, 22, 36
RGB Percent	19%, 9%, 14%
CMY	0.8078, 0.9138, 0.8588
CMYK	0.00, 0.55, 0.27, 0.81
HSL	329°, 38%, 14%
HSV	329°, 55%, 19%
XYZ	1.8728, 1.3542, 1.8325
YIQ	31.6690, 11.5980, 10.0780

Conversions

Conversions Part 2

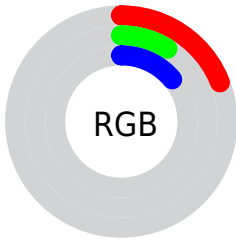
Format	Color
R_{YB}	49, 22, 36
Decimal	3216932
CIE Lab	11.65, 15.87, -3.58
CIE LCh	12, 16.267, 347.281
Yxy	1.3542, 0.3702, 0.2677
Android (android.graphics.Color)	4281407012 (0xFF311624)
YUV	31.6690, 2.1352, 15.1993
Hunter-Lab	11.6372, 8.3611, -1.1902

Details

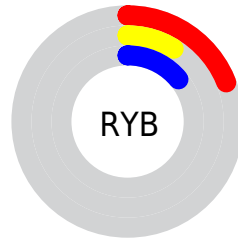
The YIQ color **31.6690, 11.5980, 10.0780** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **39.3310, -11.5980, -10.0780**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **76.5660, 13.3860, 10.7140**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.5060, 13.6150, 12.0710**, and if you desaturate by 10%, it is **34.8320, 9.5810, 8.0850**.

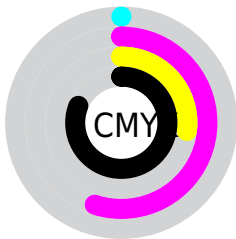
Distribution



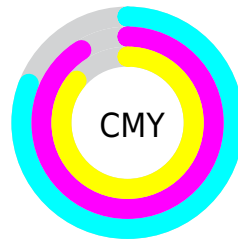
- Red (19%)
- Green (9%)
- Blue (14%)



- Red (19%)
- Yellow (9%)
- Blue (14%)



- Cyan (0%)
- Magenta (55%)
- Yellow (27%)
- Black (81%)



- Cyan (81%)
- Magenta (91%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.6690, 11.5980, 10.0780 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 31.6690, 11.5980, 10.0780 by changing the saturation by 10% instead.

■ 31.6690, 11.5980,
10.0780

■ 31.6690, 11.5980,
10.0780

■ 252.0650, 1.3750,
2.6150

■ 10.6800, 13.0650,
11.0250

■ 76.5660, 13.3860,
10.7140

■ 0.0000, 0.0000,
0.0000

■ 100.3920, 13.9360,
11.7600

■ 125.6910, 14.5320,
11.9720

■ 151.4030, 15.4030,
12.7070

■ 178.5880, 16.3200,
12.6080

■ 206.0010, 16.5950,

13.1310

■ 233.1040, 14.8070,
12.4950

■ 31.6690, 11.5980,
10.0780

■ 31.6690, 11.5980,
10.0780

■ 28.5060, 13.6150,
12.0710

■ 34.8320, 9.5810,
8.0850

■ 25.2290, 15.9530,
13.7530

■ 38.1090, 7.2430,
6.4030

■ 22.0660, 17.9700,
15.7460

■ 41.2720, 5.2260,
4.4100

■ 18.9030, 19.9870,
17.7390

■ 44.4350, 3.2090,
2.4170

■ 17.5010, 21.1790,
18.1630

■ 47.1250, 1.1460,
1.2580

■ 50.2880, -0.8710,
-0.7350

■ 53.5650, -3.2090,
-2.4170

■ 56.7280, -5.2260,
-4.4100

■ 59.8910, -7.2430,
-6.4030

Harmonies

Analogous

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



31.8790, 2.1990, 9.7110



31.6690, 11.5980, 10.0780



31.3120, 16.9170, 7.2930

Triad

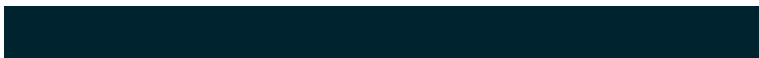
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.6690, 11.5980, 10.0780



28.8080, 8.9880, -8.7080



26.4900, -24.9870, -4.2110

Complementary

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



31.6690, 11.5980, 10.0780



39.3310, -11.5980, -10.0780

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.



25.3500, -21.7770, -7.3210



31.6690, 11.5980, 10.0780



27.8220, -2.7950, -9.9230

Square

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



31.6690, 11.5980, 10.0780



29.4500, 16.0480, -4.4960



24.6940, -17.0540, -10.3180



25.2990, -25.7670, -1.0870

Rectangle

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



31.6690, 11.5980, 10.0780



30.3890, 18.0180, 3.8580



24.6940, -17.0540, -10.3180



26.1480, -24.0240, -5.1440

Sweetspot

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



31.6690, 11.5980, 10.0780



56.9730, 4.6300, 4.1980



28.9650, -0.9190, 11.1530



29.1360, 2.6130, 2.2050



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



31.6690, 11.5980, 10.0780



36.9520, 18.2910, 15.4350



30.1870, 15.7710, 6.0350



24.0110, 1.4670, 0.9470



31.8550, 38.2780, 33.1740



77.6510, 93.3800, 80.8360

Inverse Universe

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



31.6690, 11.5980, 10.0780



36.9520, 18.2910, 15.4350



40.8130, -15.7710, -6.0350



24.0110, 1.4670, 0.9470



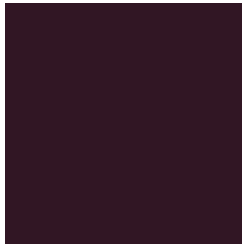
31.8550, 38.2780, 33.1740



77.6510, 93.3800, 80.8360

Previews

White Background



This preview shows how the YIQ color 31.6690, 11.5980, 10.0780 looks on a white background.

Color Contrast Check

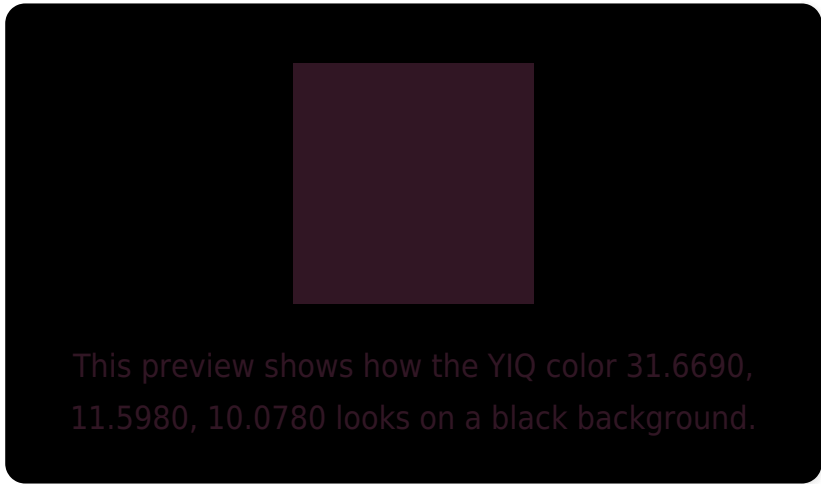
Large Text (above 18pt) WCAG AA ✓ Pass

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

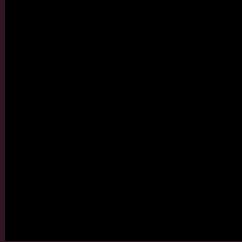
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.6690, 11.5980, 10.0780

Background



This preview shows how black text looks on a background with the YIQ color 31.6690, 11.5980, 10.0780.



This preview shows how white text looks on a background with the YIQ color 31.6690, 11.5980,

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

31.6690, 11.5980, 10.0780

Protanopia

31.3570, -5.3190, 2.7850

Deuteranopia

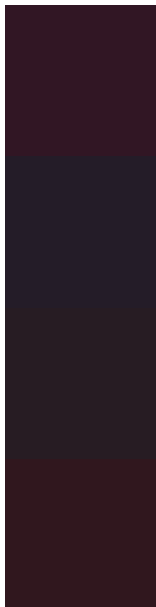
32.0540, -0.0920, 1.6680



Tritanopia

31.4040, 13.6620, 5.7100

Trichromacy



Original Color

31.6690, 11.5980, 10.0780

Protanomaly

31.7600, 0.9160, 5.4280

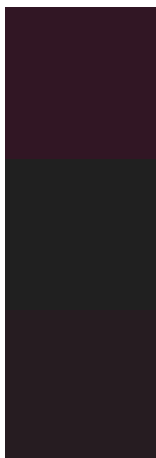
Deuteranomaly

32.0870, 4.3090, 4.5090

Tritanomaly

31.2730, 12.6530, 7.4770

Monochromacy



Original Color

31.6690, 11.5980, 10.0780

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

31.5600, 4.3550, 3.6750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.6690, 11.5980, 10.0780 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(49, 22, 36)` looks like.

```
.text, #text, p{  
    color:rgb(49, 22, 36)  
}
```

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(49, 22, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 22, 36) }
```

Border

The CSS property to change the border of an element to YIQ 31.6690, 11.5980, 10.0780 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(49, 22, 36) }
```


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

```
.border{ border-color:rgb(49, 22, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 22, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 22, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 22, 36);  
box-shadow:4px 4px 4px 4px rgb(49, 22, 36)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.6690, 11.5980, 10.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 22, 36) }
```

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

```
.background{ background-color: rgb(49, 22,  
36) }
```

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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