

Converting Colors

YIQ(33.3730, 6.9200, 17.7680)

Have a look what the booklet for
YIQ(33.3730, 6.9200, 17.7680)
contains.

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Color

**YIQ(33.3730, 6.9200,
17.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	331438
RGB	51, 20, 56
RGB Percent	20%, 8%, 22%
CMY	0.7999, 0.9216, 0.7804
CMYK	0.09, 0.64, 0.00, 0.78
HSL	292°, 47%, 15%
HSV	292°, 64%, 22%
XYZ	2.3302, 1.4898, 3.9061
YIQ	33.3730, 6.9200, 17.7680

Conversions

Conversions Part 2

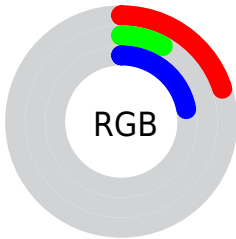
Format	Color
R_{YB}	51, 20, 56
Decimal	3347512
CIE _{Lab}	12.54, 22.22, -16.75
CIE _{LCh}	13, 27.826, 322.993
Yxy	1.4898, 0.3016, 0.1928
Android (android.graphics.Color)	4281537592 (0xFF331438)
YUV	33.3730, 11.1551, 15.4589
Hunter-Lab	12.2058, 12.7172, -10.4299

Details

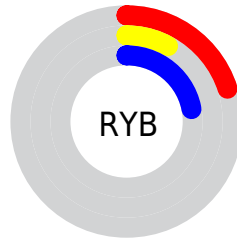
The YIQ color **33.3730, 6.9200, 17.7680** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **42.6270, -6.9200, -17.7680**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **78.9110, 8.3410, 19.5490**, and **1.0260, -2.8890, 2.7990** is the 20% darker color. If you saturate the color by 10%, you get **29.5520, 7.9740, 20.6940**, and if you desaturate by 10%, it is **37.1940, 5.8660, 14.8420**.

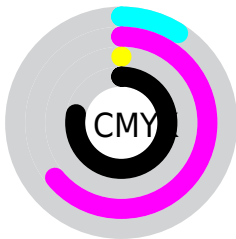
Distribution



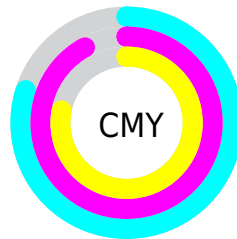
- Red (20%)
- Green (8%)
- Blue (22%)



- Red (20%)
- Yellow (8%)
- Blue (22%)



- Cyan (9%)
- Magenta (64%)
- Yellow (0%)
- Black (78%)



- Cyan (80%)
- Magenta (92%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.3730, 6.9200, 17.7680 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 33.3730, 6.9200, 17.7680 by changing the saturation by 10% instead.

■ 33.3730, 6.9200,
17.7680

■ 33.3730, 6.9200,
17.7680

■ 251.4780, 1.6500,
3.1380

■ 13.5580, 7.8370,
17.6690

■ 78.9110, 8.3410,
19.5490

■ 1.0260, -2.8890,
2.7990

■ 103.3240, 8.6160,
20.0720

■ 0.0000, 0.0000,
0.0000

■ 128.7370, 8.8910,
20.5950

■ 155.1500, 9.1660,
21.1180

■ 181.9760, 9.7160,
22.1640


■ 209.3890, 9.9910,


22.6870


 234.4550, 9.6250,
18.3050


 33.3730, 6.9200,
17.7680


 33.3730, 6.9200,
17.7680


 29.5520, 7.9740,
20.6940


 37.1940, 5.8660,
14.8420


 26.3180, 8.7530,
23.0970


 40.4280, 5.0870,
12.4390

 22.7960, 10.4030,
26.2350

 43.9500, 3.4370,
9.3010

 20.7360, 10.6320,
27.5920

 47.1840, 2.6580,
6.8980

 51.0050, 1.6040,
3.9720

■ 54.8260, 0.5500,
1.0460

■ 57.7610, -0.8250,
-1.5690

■ 61.5820, -1.8790,
-4.4950

■ 64.8160, -2.6580,
-6.8980

Harmonies

Analogous

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



31.3530, -16.6910, 10.6450



33.3730, 6.9200, 17.7680



30.5120, 22.6460, 19.1100

Triad

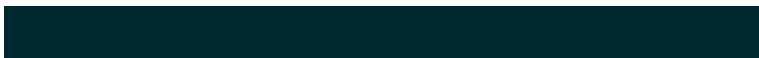
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.3730, 6.9200, 17.7680



31.3640, 19.1660, -5.9380



29.4250, -26.3620, -6.8260

Complementary

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



33.3730, 6.9200, 17.7680



42.6270, -6.9200, -17.7680

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.



27.1450, -19.9420, -13.0460



33.3730, 6.9200, 17.7680



29.5040, 6.7880, -12.8920

Square

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



33.3730, 6.9200, 17.7680



30.5550, 29.1140, 1.0020



23.8330, -10.4960, -19.0400



30.6620, -31.2230, -1.3270

Rectangle

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



33.3730, 6.9200, 17.7680



29.0410, 28.2860, 16.0140



23.8330, -10.4960, -19.0400



28.7410, -24.4360, -8.6920

Sweetspot

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



33.3730, 6.9200, 17.7680



65.1840, 2.6580, 6.8980



27.0390, -12.9310, 8.5810



32.4180, 1.8790, 4.4950



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



33.3730, 6.9200, 17.7680



38.1490, 10.9070, 28.1150



33.3860, 14.0730, 14.7850



26.2390, 0.8250, 1.5690



34.1090, 17.5520, 45.3600



81.4770, 42.3450, 108.1770

Inverse Universe

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



31.3340, 19.8510, 9.1870



34.9550, 31.4040, 14.5720



42.6140, -14.0730, -14.7850



26.0110, 1.4670, 0.9470



28.9900, 50.6590, 23.5470



68.9010, 120.8940, 55.7580

Previews

White Background



This preview shows how the YIQ color 33.3730, 6.9200, 17.7680 looks on a white background.

Color Contrast Check

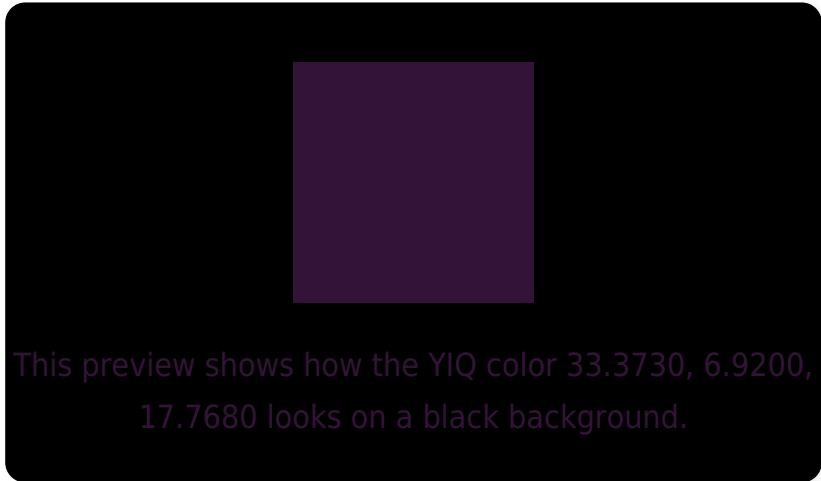
Large Text (above 18pt) WCAG AA ✓ Pass

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

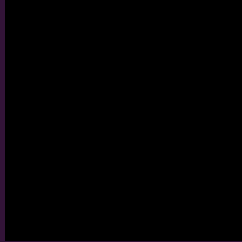
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 33.3730, 6.9200, 17.7680

Background



This preview shows how black text looks on a background with the YIQ color 33.3730, 6.9200, 17.7680.



This preview shows how white text looks on a background with the YIQ color 33.3730, 6.9200,

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

33.3730, 6.9200, 17.7680

Protanopia

28.6290, -26.4560, 5.8960

Deuteranopia

32.6920, -13.5720, 3.6760



Tritanopia

34.2080, 11.2780, 4.8620

Trichromacy



Original Color

33.3730, 6.9200, 17.7680

Protanomaly

30.6090, -14.5360, 10.1360

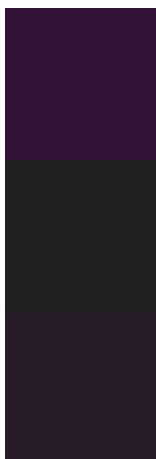
Deuteranomaly

33.1600, -5.9620, 8.9340

Tritanomaly

33.7720, 9.8100, 9.4420

Monochromacy



Original Color

33.3730, 6.9200, 17.7680

Achromatopsia

33.0000, -0.0000, -0.0000

Achromatomaly

33.0700, 2.9790, 6.5870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.3730, 6.9200, 17.7680 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(51, 20, 56)` looks like.

```
.text, #text, p{  
    color:rgb(51, 20, 56)  
}
```

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(51, 20, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 20, 56) }
```

Border

The CSS property to change the border of an element to YIQ 33.3730, 6.9200, 17.7680 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(51, 20, 56) }
```


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

```
.border{ border-color:rgb(51, 20, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 20, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 20, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 20, 56);  
box-shadow:4px 4px 4px 4px rgb(51, 20, 56)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.3730, 6.9200, 17.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 20, 56) }
```

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

```
.background{ background-color: rgb(51, 20,  
56) }
```

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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