

Converting Colors

YIQ(18.3420, 17.3730, 21.0610)

Have a look what the booklet for
YIQ(18.3420, 17.3730, 21.0610)
contains.

YIQ(18.3420, 17.3730, 21.0610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(18.3420, 17.3730,
21.0610)**

Conversions

Conversions Part 1

Format	Color
Hex	300023
RGB	48, 0, 35
RGB Percent	19%, 0%, 14%
CMY	0.8116, 1.0000, 0.8627
CMYK	0.00, 1.00, 0.27, 0.81
HSL	316°, 100%, 9%
HSV	316°, 100%, 19%
XYZ	1.5241, 0.7506, 1.6555
YIQ	18.3420, 17.3730, 21.0610

Conversions

Conversions Part 2

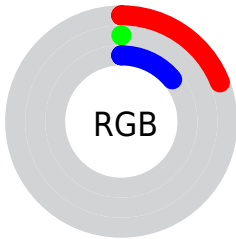
Format	Color
R_{YB}	48, 0, 35
Decimal	3145763
CIE Lab	6.78, 27.89, -10.27
CIE LCh	7, 29.724, 339.785
Yxy	0.7506, 0.3878, 0.1910
Android (android.graphics.Color)	4281335843 (0xFF300023)
YUV	18.3420, 8.2124, 26.0101
Hunter-Lab	8.6639, 16.2385, -5.2644

Details

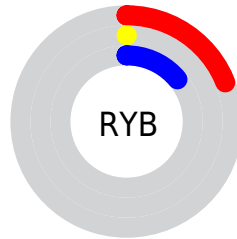
The YIQ color **18.3420, 17.3730, 21.0610** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29.6580, -17.3730, -21.0610**, and the grayscale version is **18.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **65.0110, 19.8030, 21.0750**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.3420, 17.3730, 21.0610**, and if you desaturate by 10%, it is **21.3910, 15.6770, 18.7570**.

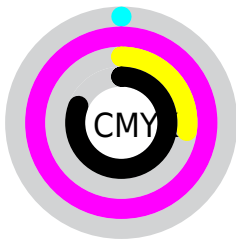
Distribution



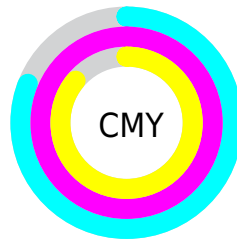
- Red (19%)
- Green (0%)
- Blue (14%)



- Red (19%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (81%)



- Cyan (81%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 18.3420, 17.3730, 21.0610 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 18.3420, 17.3730, 21.0610 by changing the saturation by 10% instead.

■ 18.3420, 17.3730,
21.0610

■ 18.3420, 17.3730,
21.0610

■ 238.5640, 7.7000,
14.6440

■ 8.8430, 11.0480,
9.0320

■ 65.0110, 19.8030,
21.0750

■ 0.0000, 0.0000,
0.0000

■ 88.8370, 20.3530,
22.1210

■ 114.4350, 21.5450,
22.5450

■ 140.1470, 22.4160,
23.2800

■ 166.8590, 23.2870,
24.0150

■ 194.1580, 23.8830,

24.2270

■ 220.0760, 21.1780,
23.6900

■ 18.3420, 17.3730,
21.0610

■ 21.3910, 15.6770,
18.7570

■ 24.5540, 13.6600,
16.7640

■ 27.0160, 12.2390,
14.9830

■ 30.0650, 10.5430,
12.6790

■ 33.2280, 8.5260,
10.6860

■ 36.2770, 6.8300,
8.3820

■ 39.3260, 5.1340,
6.0780

■ 41.7880, 3.7130,
4.2970

■ 44.9510, 1.6960,
2.3040

Harmonies

Analogous

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



21.2300, -2.9830, 15.5210



18.3420, 17.3730, 21.0610



17.7420, 27.6900, 15.8020

Triad

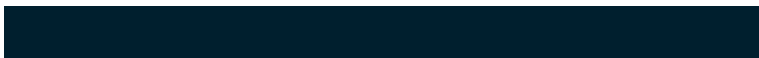
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.3420, 17.3730, 21.0610



19.7800, 6.1910, -7.5770



23.4410, -23.2910, -1.9070

Complementary

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



18.3420, 17.3730, 21.0610



29.6580, -17.3730, -21.0610

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.



21.8620, -17.4670, -8.3390



18.3420, 17.3730, 21.0610



16.4360, -7.7000, -14.6440

Square

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



18.3420, 17.3730, 21.0610



20.4660, 19.1190, 0.4230



18.1970, -8.5250, -16.2130



23.0480, -26.3180, 3.3940

Rectangle

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



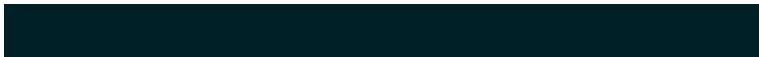
18.3420, 17.3730, 21.0610



15.8470, 31.5880, 11.2360



18.1970, -8.5250, -16.2130



23.3440, -21.6400, -4.2960

Sweetspot

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



18.3420, 17.3730, 21.0610



49.8640, 6.5550, 7.8590



9.3590, -7.6600, 17.6840



24.2010, 3.9880, 4.8200



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



18.3420, 17.3730, 21.0610



23.3690, 21.9110, 26.9270



15.6060, 25.0770, 13.5970



21.7120, 0.8710, 0.7350



33.1950, 31.6290, 38.0370



81.7700, 77.4680, 93.8840

Inverse Universe

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



18.3420, 17.3730, 21.0610



23.3690, 21.9110, 26.9270



32.3940, -25.0770, -13.5970



21.7120, 0.8710, 0.7350



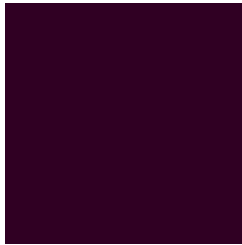
33.1950, 31.6290, 38.0370



81.7700, 77.4680, 93.8840

Previews

White Background



This preview shows how the YIQ color 18.3420, 17.3730, 21.0610 looks on a white background.

Color Contrast Check

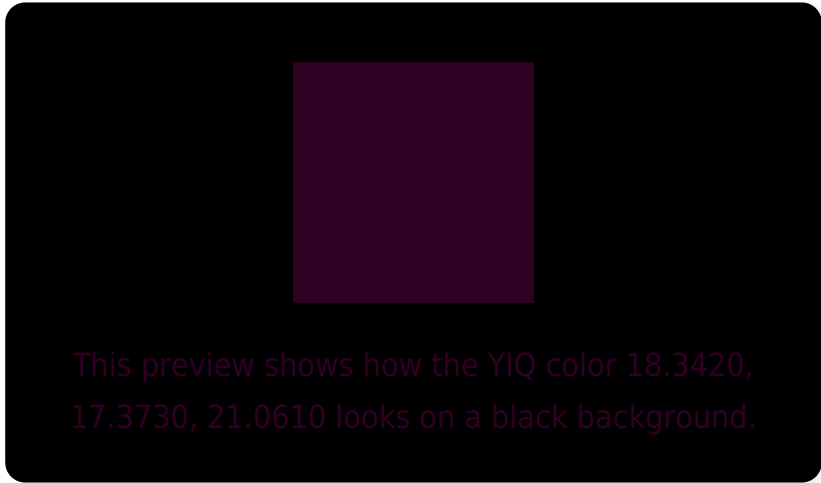
Large Text (above 18pt) WCAG AA ✓ Pass

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

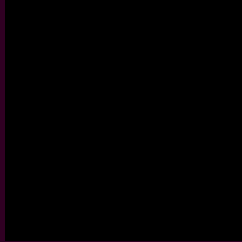
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 18.3420, 17.3730, 21.0610

Background



This preview shows how black text looks on a background with the YIQ color 18.3420, 17.3730, 21.0610.



This preview shows how white text looks on a background with the YIQ color 18.3420, 17.3730,

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

18.3420, 17.3730, 21.0610

Protanopia

23.9630, -15.7730, 5.0190

Deuteranopia

25.9120, -2.5680, 2.4880



Tritanopia

23.8670, 19.6680, 6.9960

Trichromacy



Original Color

18.3420, 17.3730, 21.0610

Protanomaly

21.9970, -3.9450, 10.9270

Deuteranomaly

23.1350, 4.3540, 9.2020

Tritanomaly

21.8440, 18.4750, 12.0990

Monochromacy



Original Color

18.3420, 17.3730, 21.0610

Achromatopsia

18.0000, -0.0000, 0.0000

Achromatomaly

17.8640, 6.5550, 7.8590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 18.3420, 17.3730, 21.0610 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(48, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(48, 0, 35)  
}
```

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(48, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 35) }
```

Border

The CSS property to change the border of an element to YIQ 18.3420, 17.3730, 21.0610 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(48, 0, 35) }
```


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

```
.border{ border-color:rgb(48, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(48, 0, 35); box-shadow:4px  
4px 4px 4px rgb(48, 0, 35) }
```

Background

The CSS property to change the background color of an element to YIQ 18.3420, 17.3730, 21.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 35) }
```

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

```
.background{ background-color: rgb(48, 0,  
35) }
```

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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