

Converting Colors

YIQ(41.8400, 33.4660, 21.2580)

Have a look what the booklet for
YIQ(41.8400, 33.4660, 21.2580)
contains.

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Color

**YIQ(41.8400, 33.4660,
21.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	571329
RGB	87, 19, 41
RGB Percent	34%, 7%, 16%
CMY	0.6586, 0.9256, 0.8391
CMYK	0.00, 0.78, 0.53, 0.66
HSL	341°, 64%, 21%
HSV	341°, 78%, 34%
XYZ	4.5678, 2.6535, 2.3719
YIQ	41.8400, 33.4660, 21.2580

Conversions

Conversions Part 2

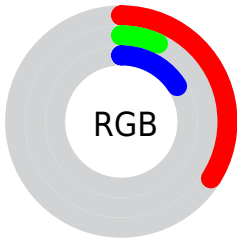
Format	Color
R_{YB}	87, 19, 41
Decimal	5706537
CIE Lab	18.60, 32.65, 3.80
CIE LCh	19, 32.872, 6.632
Yxy	2.6535, 0.4761, 0.2766
Android (android.graphics.Color)	4283896617 (0xFF571329)
YUV	41.8400, -0.4141, 39.6053
Hunter-Lab	16.2895, 21.5474, 2.7693

Details

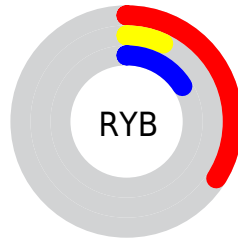
The YIQ color **41.8400, 33.4660, 21.2580** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **64.1600, -33.4660, -21.2580**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.5800, 37.1340, 20.8620**, and **12.0740, 23.5190, 8.7910** is the 20% darker color. If you saturate the color by 10%, you get **35.8730, 37.8670, 24.0990**, and if you desaturate by 10%, it is **47.8070, 29.0650, 18.4170**.

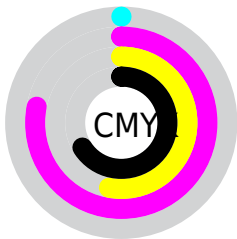
Distribution



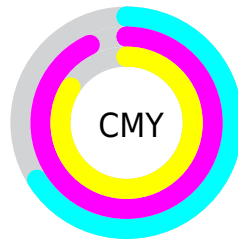
- Red (34%)
- Green (7%)
- Blue (16%)



- Red (34%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (53%)
- Black (66%)



- Cyan (66%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 41.8400, 33.4660, 21.2580 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 41.8400, 33.4660, 21.2580 by changing the saturation by 10% instead.

41.8400, 33.4660,
21.2580

41.8400, 33.4660,
21.2580

255.0000, -0.0000,
-0.0000

20.6330, 29.6150,
19.4630

91.5800, 37.1340,
20.8620

12.0740, 23.5190,
8.7910

117.3630, 39.2430,
21.1870

0.0000, 0.0000,
0.0000


143.3740, 40.7100,
22.1340


170.8580, 42.2230,
22.2470


198.7550, 44.0110,
22.8830


217.6820, 27.9190,


17.1590


 238.0110, 10.6350,
11.0110


 41.8400, 33.4660,
21.2580


 41.8400, 33.4660,
21.2580


 35.8730, 37.8670,
24.0990


 47.8070, 29.0650,
18.4170


 30.4930, 41.9930,
26.4170

 53.1870, 24.9390,
16.0990

 29.2050, 42.8640,
27.1520

 59.1540, 20.5380,
13.2580

 65.1210, 16.1370,
10.4170

 70.3870, 12.3320,
7.7880

■ 76.3540, 7.9310,
4.9470

■ 82.3210, 3.5300,
2.1060

■ 88.2880, -0.8710,
-0.7350

■ 93.6680, -4.9970,
-3.0530

Harmonies

Analogous

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



45.4070, 18.7480, 23.6760



41.8400, 33.4660, 21.2580



42.4300, 37.1360, 9.8080

Triad

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



41.8400, 33.4660, 21.2580



38.5970, 1.7920, -21.4720



41.2570, -43.1440, -0.0400

Complementary

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



41.8400, 33.4660, 21.2580



64.1600, -33.4660, -21.2580

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.



41.1940, -38.8330, -6.5850



41.8400, 33.4660, 21.2580



35.1350, -23.1500, -20.9900

Square

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



41.8400, 33.4660, 21.2580



42.5500, 18.3420, -13.0340



38.5720, -31.4500, -13.7380



37.6040, -42.5030, 4.8650

Rectangle

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



41.8400, 33.4660, 21.2580



42.0950, 36.2210, -1.1470



38.5720, -31.4500, -13.7380



41.3880, -42.1350, -1.8070

Sweetspot

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



41.8400, 33.4660, 21.2580



94.8000, 12.6070, 8.3110



40.2070, 4.9920, 30.6880



45.3540, 7.9310, 4.9470



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



41.8400, 33.4660, 21.2580



42.2710, 51.6660, 32.8340



45.7890, 37.5030, 8.6630



40.3100, 2.0630, 1.1590



35.9830, 52.5370, 33.5690



78.9290, 115.6640, 73.4560

Inverse Universe

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



41.8400, 33.4660, 21.2580



42.2710, 51.6660, 32.8340



60.2110, -37.5030, -8.6630



40.3100, 2.0630, 1.1590



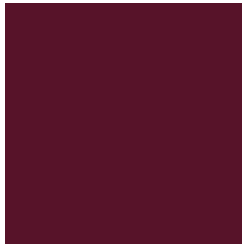
35.9830, 52.5370, 33.5690



78.9290, 115.6640, 73.4560

Previews

White Background



This preview shows how the YIQ color 41.8400, 33.4660, 21.2580 looks on a white background.

Color Contrast Check

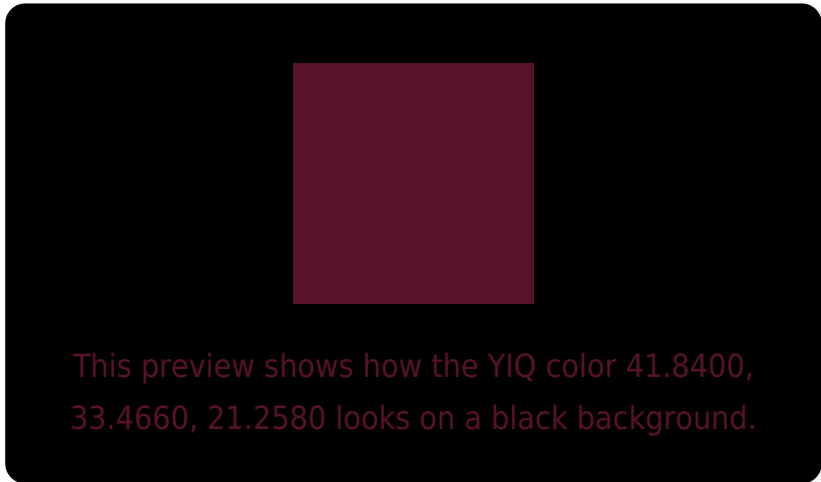
Large Text (above 18pt) WCAG AA ✓ Pass

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

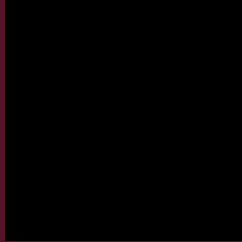
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 41.8400, 33.4660, 21.2580

Background



This preview shows how black text looks on a background with the YIQ color 41.8400, 33.4660, 21.2580.



This preview shows how white text looks on a background with the YIQ color 41.8400, 33.4660,

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

41.8400, 33.4660, 21.2580

Protanopia

47.7270, -3.4850, 2.5870

Deuteranopia

47.1920, 8.2070, -0.0570



Tritanopia

41.9510, 37.2270, 13.6670

Trichromacy



Original Color

41.8400, 33.4660, 21.2580

Protanomaly

45.7720, 9.8100, 9.4420

Deuteranomaly

45.6110, 17.5130, 7.5050

Tritanomaly

42.0480, 35.5760, 16.0560

Monochromacy



Original Color

41.8400, 33.4660, 21.2580

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.0880, 11.7360, 7.5760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 41.8400, 33.4660, 21.2580 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(87, 19, 41)` looks like.

```
.text, #text, p{  
    color:rgb(87, 19, 41)  
}
```

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(87, 19, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 19, 41) }
```

Border

The CSS property to change the border of an element to YIQ 41.8400, 33.4660, 21.2580 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(87, 19, 41) }
```


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

```
.border{ border-color:rgb(87, 19, 41) }
```

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

Here you see how a box with a 4 pixel rgb(87, 19, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 19, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 19, 41);  
box-shadow:4px 4px 4px 4px rgb(87, 19, 41)  
}
```

Background

The CSS property to change the background color of an element to YIQ 41.8400, 33.4660, 21.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 19, 41) }
```

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

```
.background{ background-color: rgb(87, 19,  
41) }
```

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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