

Converting Colors

YIQ(33.9710, 17.2800, 28.2560)

Have a look what the booklet for
YIQ(33.9710, 17.2800, 28.2560)
contains.

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Color

**YIQ(33.9710, 17.2800,
28.2560)**

Conversions

Conversions Part 1

Format	Color
Hex	440B3F
RGB	68, 11, 63
RGB Percent	27%, 4%, 25%
CMY	0.7332, 0.9569, 0.7529
CMYK	0.00, 0.84, 0.07, 0.73
HSL	305°, 72%, 15%
HSV	305°, 84%, 27%
XYZ	3.4037, 1.8282, 4.8772
YIQ	33.9710, 17.2800, 28.2560

Conversions

Conversions Part 2

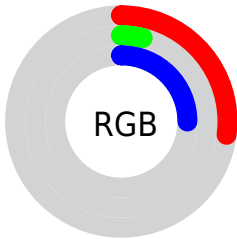
Format	Color
R_{YB}	68, 11, 63
Decimal	4459327
CIE _{Lab}	14.56, 33.09, -18.34
CIE _{LCh}	15, 37.831, 331.000
Yxy	1.8282, 0.3367, 0.1809
Android (android.graphics.Color)	4282649407 (0xFF440B3F)
YUV	33.9710, 14.3113, 29.8434
Hunter-Lab	13.5213, 21.2714, -11.9213

Details

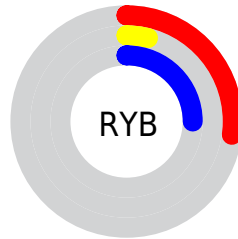
The YIQ color **33.9710, 17.2800, 28.2560** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **45.0290, -17.2800, -28.2560**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **83.1560, 18.1970, 28.1570**, and **6.3520, 2.2450, 8.8770** is the 20% darker color. If you saturate the color by 10%, you get **29.7480, 19.5260, 31.6060**, and if you desaturate by 10%, it is **38.1940, 15.0340, 24.9060**.

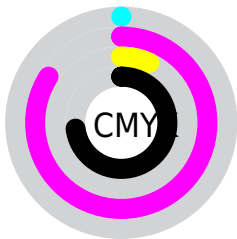
Distribution



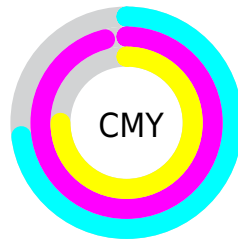
- Red (27%)
- Green (4%)
- Blue (25%)



- Red (27%)
- Yellow (4%)
- Blue (25%)



- Cyan (0%)
- Magenta (84%)
- Yellow (7%)
- Black (73%)





- Cyan (73%)
- Magenta (96%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 33.9710, 17.2800, 28.2560 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 33.9710, 17.2800, 28.2560 by changing the saturation by 10% instead.


 33.9710, 17.2800,
28.2560


 33.9710, 17.2800,
28.2560

 250.3040, 2.2000,
4.1840


 18.1290, 13.6590,
22.2910


 83.1560, 18.1970,
28.1570


 6.4660, 1.9240,
9.1880

 108.7540, 19.3890,
28.5810

 0.0000, 0.0000,
0.0000


 134.5800, 19.9390,
29.6270


 161.2920, 20.8100,
30.3620


 188.1180, 21.3600,
31.4080


 215.8190, 20.7640,


31.1960


 233.2810, 10.1750,
19.3510


 33.9710, 17.2800,
28.2560


 33.9710, 17.2800,
28.2560

 29.7480, 19.5260,
31.6060


 38.1940, 15.0340,
24.9060

 27.4000, 20.6260,
33.6980

 42.3030, 13.1090,
21.2450

 45.9390, 11.1380,
18.4180

 50.0480, 9.2130,
14.7570

 54.2710, 6.9670,
11.4070

■ 58.4940, 4.7210,
8.0570

■ 62.6030, 2.7960,
4.3960

■ 66.2390, 0.8250,
1.5690

■ 70.3480, -1.1000,
-2.0920

Harmonies

Analogous

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



36.3520, -14.9500, 17.6420



33.9710, 17.2800, 28.2560



28.4370, 36.3990, 28.6790

Triad

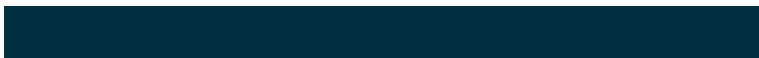
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.9710, 17.2800, 28.2560



34.8860, 17.5160, -9.0760



35.4720, -33.7440, -5.2000

Complementary

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



33.9710, 17.2800, 28.2560



45.0290, -17.2800, -28.2560

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.



32.3940, -25.0770, -13.5970



33.9710, 17.2800, 28.2560



30.9220, -0.5010, -18.4610

Square

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



33.9710, 17.2800, 28.2560



33.8220, 32.7360, 1.4400



27.6860, -14.5760, -22.1920



36.5780, -39.6140, 2.0660

Rectangle

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



33.9710, 17.2800, 28.2560



27.0860, 41.5810, 22.8690



27.6860, -14.5760, -22.1920



34.4460, -30.8550, -7.9990

Sweetspot

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



33.9710, 17.2800, 28.2560



75.8580, 6.6920, 10.8840



18.9930, -15.3170, 18.7870



37.6680, 4.1710, 7.0110



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



33.9710, 17.2800, 28.2560



35.8450, 27.0430, 44.0590



30.7790, 26.2680, 19.5480



31.2390, 0.8250, 1.5690



39.0350, 29.5640, 47.9320



90.3460, 67.6990, 111.2430

Inverse Universe

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



33.9710, 17.2800, 28.2560



35.8450, 27.0430, 44.0590



48.2210, -26.2680, -19.5480



31.2390, 0.8250, 1.5690



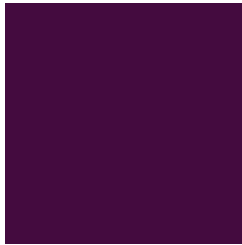
39.0350, 29.5640, 47.9320



90.3460, 67.6990, 111.2430

Previews

White Background



This preview shows how the YIQ color 33.9710, 17.2800, 28.2560 looks on a white background.

Color Contrast Check

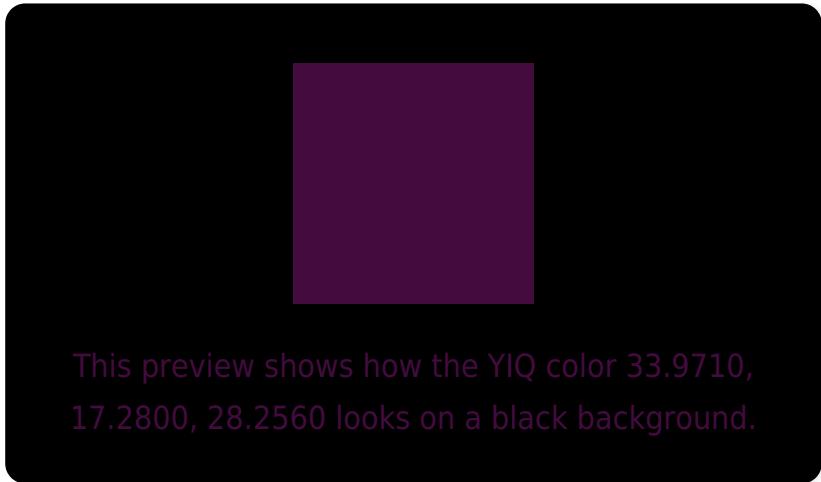
Large Text (above 18pt) WCAG AA ✓ Pass

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

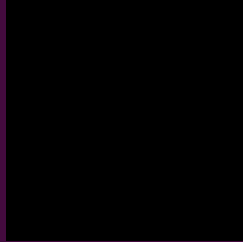
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 33.9710, 17.2800, 28.2560

Background



This preview shows how black text looks on a background with the YIQ color 33.9710, 17.2800, 28.2560.



This preview shows how white text looks on a background with the YIQ color 33.9710, 17.2800,

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

33.9710, 17.2800, 28.2560

Protanopia

31.4260, -36.1300, 5.0060

Deuteranopia

38.2900, -12.3800, 4.1000



Tritanopia

37.8890, 22.6020, 8.8900

Trichromacy



Original Color

33.9710, 17.2800, 28.2560

Protanomaly

32.3470, -16.5540, 13.6700

Deuteranomaly

36.7200, -1.6070, 12.6090

Tritanomaly

36.7350, 20.4000, 15.7600

Monochromacy



Original Color

33.9710, 17.2800, 28.2560

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

34.1460, 5.8210, 10.1490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.9710, 17.2800, 28.2560 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(68, 11, 63)` looks like.

```
.text, #text, p{  
    color:rgb(68, 11, 63)  
}
```

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(68, 11, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 11, 63) }
```

Border

The CSS property to change the border of an element to YIQ 33.9710, 17.2800, 28.2560 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(68, 11, 63) }
```


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

```
.border{ border-color:rgb(68, 11, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 11, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 11, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 11, 63);  
box-shadow:4px 4px 4px 4px rgb(68, 11, 63)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.9710, 17.2800, 28.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 11, 63) }
```

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

```
.background{ background-color: rgb(68, 11,  
63) }
```

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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