

Converting Colors

YIQ(45.0980, 14.9440, 15.5200)

Have a look what the booklet for
YIQ(45.0980, 14.9440, 15.5200)
contains.

YIQ(45.0980, 14.9440, 15.5200)	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(45.0980, 14.9440,
15.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	451F37
RGB	69, 31, 55
RGB Percent	27%, 12%, 22%
CMY	0.7293, 0.8785, 0.7843
CMYK	0.00, 0.55, 0.20, 0.73
HSL	322°, 38%, 20%
HSV	322°, 55%, 27%
XYZ	3.6356, 2.5213, 3.9108
YIQ	45.0980, 14.9440, 15.5200

Conversions

Conversions Part 2

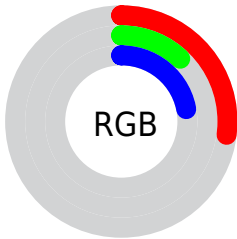
Format	Color
R_{YB}	69, 31, 55
Decimal	4529975
CIE _{Lab}	18.01, 21.85, -7.34
CIE _{LCh}	18, 23.053, 341.428
Yxy	2.5213, 0.3611, 0.2504
Android (android.graphics.Color)	4282720055 (0xFF451F37)
YUV	45.0980, 4.8817, 20.9621
Hunter-Lab	15.8785, 13.0822, -3.4878

Details

The YIQ color **45.0980, 14.9440, 15.5200** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **54.9020, -14.9440, -15.5200**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **92.4080, 17.0070, 16.6790**, and **8.3160, 11.0940, 8.1980** is the 20% darker color. If you saturate the color by 10%, you get **40.6470, 17.8320, 18.2480**, and if you desaturate by 10%, it is **49.5490, 12.0560, 12.7920**.

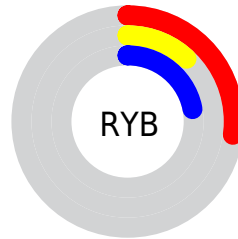
Distribution



Red (27%)

Green (12%)

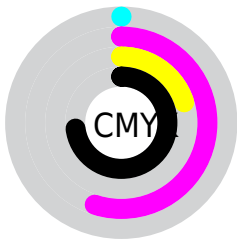
Blue (22%)



Red (27%)

Yellow (12%)

Blue (22%)

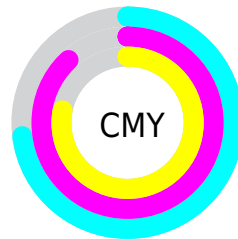


Cyan (0%)

Magenta (55%)

Yellow (20%)

Black (73%)



Cyan (73%)

Magenta (88%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.0980, 14.9440, 15.5200 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 45.0980, 14.9440, 15.5200 by changing the saturation by 10% instead.

■ 45.0980, 14.9440,
15.5200

■ 45.0980, 14.9440,
15.5200

■ 255.0000, -0.0000,
-0.0000

■ 22.9130, 14.0270,
15.6190

■ 92.4080, 17.0070,
16.6790

■ 8.3160, 11.0940,
8.1980

■ 117.1200, 17.8780,
17.4140

■ 0.0000, 0.0000,
0.0000

■ 142.8320, 18.7490,
18.1490

■ 169.2450, 19.0240,
18.6720

■ 196.5440, 19.6200,
18.8840

■ 224.5440, 19.6200,

18.8840

243.2600, 5.5000,
10.4600

45.0980, 14.9440,
15.5200

45.0980, 14.9440,
15.5200

40.6470, 17.8320,
18.2480

49.5490, 12.0560,
12.7920

36.3100, 20.3990,
21.2870

53.8860, 9.4890,
9.7530

31.8590, 23.2870,
24.0150

58.3370, 6.6010,
7.0250

27.5220, 25.8540,
27.0540

62.6740, 4.0340,
3.9860

25.6470, 27.0000,
28.3120

66.5380, 1.4210,
1.7810

■ 70.8750, -1.1460,
-1.2580

■ 75.3260, -4.0340,
-3.9860

■ 79.6630, -6.6010,
-7.0250

■ 84.1140, -9.4890,
-9.7530

Harmonies

Analogous

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



45.4320, -0.7360, 13.3440



45.0980, 14.9440, 15.5200



43.7800, 24.5270, 12.5510

Triad

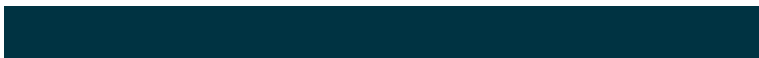
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.0980, 14.9440, 15.5200



41.3800, 13.0690, -11.0830



37.4610, -35.2110, -6.1470

Complementary

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



45.0980, 14.9440, 15.5200



54.9020, -14.9440, -15.5200

Split Complementary

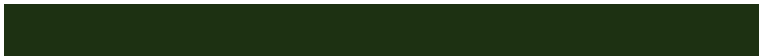
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.2240, -30.3500, -11.6460



45.0980, 14.9440, 15.5200



39.4860, -1.9690, -13.8810

Square

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



45.0980, 14.9440, 15.5200



42.6850, 22.6960, -3.8320



34.2860, -24.8930, -16.9330



37.3130, -37.5500, -2.3020

Rectangle

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



45.0980, 14.9440, 15.5200



43.5150, 26.5910, 8.1830



34.2860, -24.8930, -16.9330



37.4780, -33.8810, -8.2250

Sweetspot

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



45.0980, 14.9440, 15.5200



79.6250, 5.7300, 6.2900



39.5180, -3.8540, 14.7860



40.3750, 3.4380, 3.7740



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.



45.0980, 14.9440, 15.5200



51.9730, 22.9660, 24.3260



42.9320, 21.0430, 9.6110



33.4240, 1.7420, 1.4700



36.7830, 38.7810, 40.5810



84.1750, 89.3890, 92.5970

Inverse Universe

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



45.0980, 14.9440, 15.5200



51.9730, 22.9660, 24.3260



57.0680, -21.0430, -9.6110



33.4240, 1.7420, 1.4700



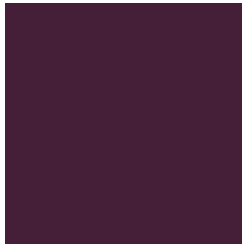
36.7830, 38.7810, 40.5810



84.1750, 89.3890, 92.5970

Previews

White Background



This preview shows how the YIQ color 45.0980, 14.9440, 15.5200 looks on a white background.

Color Contrast Check

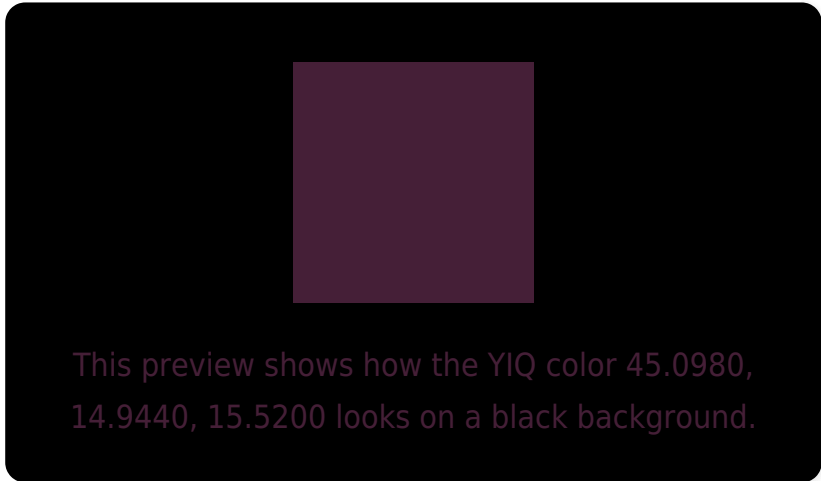
Large Text (above 18pt) WCAG AA ✓ Pass

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

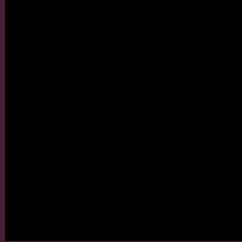
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.0980, 14.9440, 15.5200

Background



This preview shows how black text looks on a background with the YIQ color 45.0980, 14.9440, 15.5200.



This preview shows how white text looks on a background with the YIQ color 45.0980, 14.9440,

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

45.0980, 14.9440, 15.5200

Protanopia

44.6000, -10.3170, 5.2590

Deuteranopia

45.3250, -2.2930, 3.0110



Tritanopia

44.7960, 18.4300, 7.4060

Trichromacy



Original Color

45.0980, 14.9440, 15.5200

Protanomaly

44.4980, -1.1020, 8.9620

Deuteranomaly

45.1950, 4.1250, 7.8450

Tritanomaly

45.3060, 17.0540, 10.3180

Monochromacy



Original Color

45.0980, 14.9440, 15.5200

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.2120, 5.4550, 5.7670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.0980, 14.9440, 15.5200 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(69, 31, 55)` looks like.

```
.text, #text, p{  
    color:rgb(69, 31, 55)  
}
```

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(69, 31, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 31, 55) }
```

Border

The CSS property to change the border of an element to YIQ 45.0980, 14.9440, 15.5200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

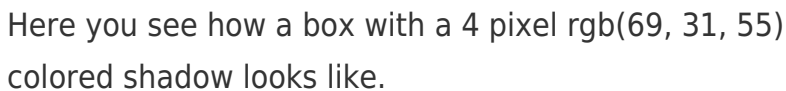
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 31, 55) }
```


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

```
.border{ border-color:rgb(69, 31, 55) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 31, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 31, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 31, 55);  
box-shadow:4px 4px 4px 4px rgb(69, 31, 55)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.0980, 14.9440, 15.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 31, 55) }
```

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

```
.background{ background-color: rgb(69, 31,  
55) }
```

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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