

Converting Colors

YIQ(27.8800, 45.1570, 24.1410)

Have a look what the booklet for
YIQ(27.8800, 45.1570, 24.1410)
contains.

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Color

**YIQ(27.8800, 45.1570,
24.1410)**

Conversions

Conversions Part 1

Format	Color
Hex	560013
RGB	86, 0, 19
RGB Percent	34%, 0%, 7%
CMY	0.6625, 1.0000, 0.9253
CMYK	0.00, 1.00, 0.78, 0.66
HSL	347°, 100%, 17%
HSV	347°, 100%, 34%
XYZ	3.9607, 2.0282, 0.8007
YIQ	27.8800, 45.1570, 24.1410

Conversions

Conversions Part 2

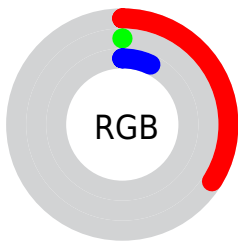
Format	Color
R_{YB}	86, 0, 19
Decimal	5636115
CIE Lab	15.63, 36.99, 15.50
CIE LCh	16, 40.108, 22.739
Yxy	2.0282, 0.5833, 0.2987
Android (android.graphics.Color)	4283826195 (0xFF560013)
YUV	27.8800, -4.3778, 50.9712
Hunter-Lab	14.2415, 24.7202, 6.6356

Details

The YIQ color **27.8800, 45.1570, 24.1410** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **58.1200, -45.1570, -24.1410**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.3980, 49.3300, 20.0980**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **27.8800, 45.1570, 24.1410**, and if you desaturate by 10%, it is **33.9610, 40.4350, 21.6110**.

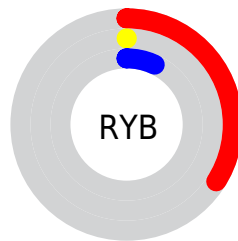
Distribution



Red (34%)

Green (0%)

Blue (7%)



Red (34%)

Yellow (0%)

Blue (7%)

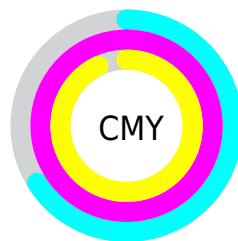


Cyan (0%)

Magenta (100%)

Yellow (78%)

Black (66%)



Cyan (66%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 27.8800, 45.1570, 24.1410 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 27.8800, 45.1570, 24.1410 by changing the saturation by 10% instead.


 27.8800, 45.1570,
24.1410


 27.8800, 45.1570,
24.1410

 247.1750, 6.8770,
2.0210


 17.9400, 35.7600,
12.7200


 81.3980, 49.3300,
20.0980


 9.6820, 18.7510,
7.0950

 107.9530, 52.0810,
19.8010

 0.0000, 0.0000,
0.0000


 134.0350, 54.7860,
20.3380


 161.1170, 57.4910,
20.8750


 187.8180, 56.8950,
20.6630


 207.3320, 40.5280,


14.4160


 226.8460, 24.1610,
8.1690


 27.8800, 45.1570,
24.1410

 33.9610, 40.4350,
21.6110

 39.3410, 36.3090,
19.2930

 45.4220, 31.5870,
16.7630

 50.9160, 27.1400,
14.7560

 56.9970, 22.4180,
12.2260

■ 62.9640, 18.0170,
9.3850

■ 68.4580, 13.5700,
7.3780

■ 74.5390, 8.8480,
4.8480

■ 79.9190, 4.7220,
2.5300

Harmonies

Analogous

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



30.4740, 34.9770, 32.4250



27.8800, 45.1570, 24.1410



34.7520, 38.9250, 4.9170

Triad

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



27.8800, 45.1570, 24.1410



28.1760, -13.2000, -25.1040



37.3590, -43.1910, 6.3210

Complementary

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



27.8800, 45.1570, 24.1410



58.1200, -45.1570, -24.1410

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.



38.9260, -40.7140, -0.0260



27.8800, 45.1570, 24.1410



32.8840, -23.7010, -16.5090

Square

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



27.8800, 45.1570, 24.1410



34.4990, 5.1840, -16.8640



36.7770, -33.2850, -8.0130



34.0230, -33.1970, 12.4270

Rectangle

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



27.8800, 45.1570, 24.1410



37.0340, 29.0230, -2.8570



36.7770, -33.2850, -8.0130



38.3050, -43.0990, 4.6530

Sweetspot

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



27.8800, 45.1570, 24.1410



89.6650, 17.4210, 9.1730



29.5380, 11.7300, 40.7380



42.4360, 10.6360, 5.4840



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.



27.8800, 45.1570, 24.1410



36.3380, 58.7270, 31.5190



39.2150, 44.9310, 6.2030



40.3100, 2.0630, 1.1590



34.7290, 56.0680, 30.1480



76.1930, 123.3680, 65.9920

Inverse Universe

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



27.8800, 45.1570, 24.1410



36.3380, 58.7270, 31.5190



46.7850, -44.9310, -6.2030



40.3100, 2.0630, 1.1590



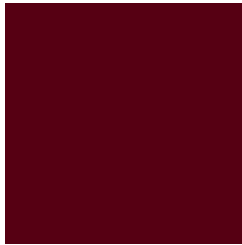
34.7290, 56.0680, 30.1480



76.1930, 123.3680, 65.9920

Previews

White Background



This preview shows how the YIQ color 27.8800, 45.1570, 24.1410 looks on a white background.

Color Contrast Check

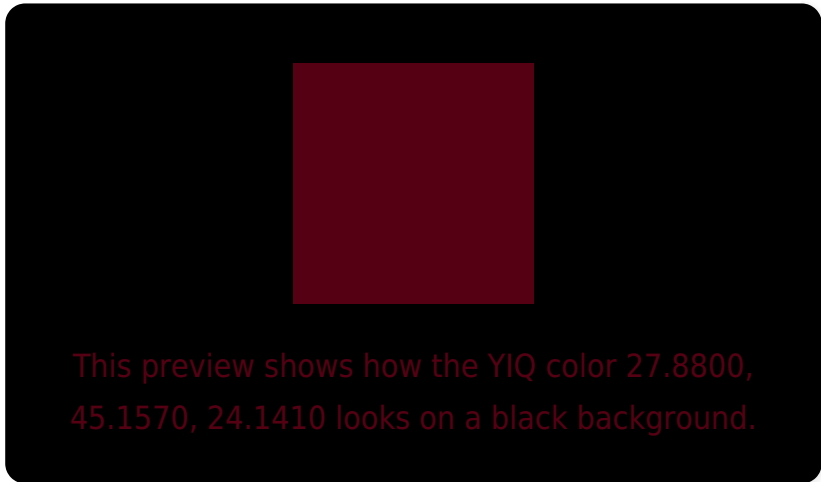
Large Text (above 18pt) WCAG AA ✓ Pass

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

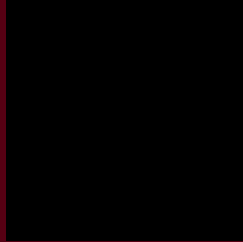
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.8800, 45.1570, 24.1410

Background



This preview shows how black text looks on a background with the YIQ color 27.8800, 45.1570, 24.1410.

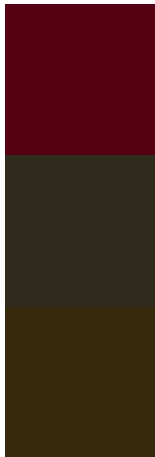


This preview shows how white text looks on a background with the YIQ color 27.8800, 45.1570,

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

27.8800, 45.1570, 24.1410

Protanopia

43.1870, 6.6030, -4.0290

Deuteranopia

41.9940, 17.3320, -5.7400



Tritanopia

30.7520, 48.0930, 14.9810

Trichromacy



Original Color

27.8800, 45.1570, 24.1410

Protanomaly

37.5250, 20.6310, 6.0630

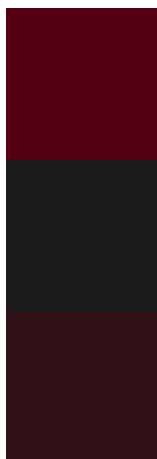
Deuteranomaly

36.7060, 27.3710, 5.0590

Tritanomaly

29.6750, 46.9920, 18.4160

Monochromacy



Original Color

27.8800, 45.1570, 24.1410

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

28.0670, 16.2290, 8.7490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.8800, 45.1570, 24.1410 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(86, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 19)  
}
```

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(86, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 19) }
```

Border

The CSS property to change the border of an element to YIQ 27.8800, 45.1570, 24.1410 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(86, 0, 19) }
```


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

```
.border{ border-color:rgb(86, 0, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 19); box-shadow:4px  
4px 4px 4px rgb(86, 0, 19) }
```

Background

The CSS property to change the background color of an element to YIQ 27.8800, 45.1570, 24.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 19) }
```

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

```
.background{ background-color: rgb(86, 0,  
19) }
```

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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