

Converting Colors

YIQ(27.4870, 6.5990, 18.0790)

Have a look what the booklet for
YIQ(27.4870, 6.5990, 18.0790)
contains.

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Color

**YIQ(27.4870, 6.5990,
18.0790)**

Conversions

Conversions Part 1

Format	Color
Hex	2D0E33
RGB	45, 14, 51
RGB Percent	18%, 5%, 20%
CMY	0.8234, 0.9451, 0.8000
CMYK	0.12, 0.73, 0.00, 0.80
HSL	290°, 57%, 13%
HSV	290°, 73%, 20%
XYZ	1.8377, 1.1112, 3.2495
YIQ	27.4870, 6.5990, 18.0790

Conversions

Conversions Part 2

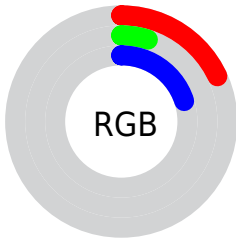
Format	Color
R_{YB}	45, 14, 51
Decimal	2952755
CIE Lab	9.89, 22.62, -17.41
CIE LCh	10, 28.545, 322.424
Yxy	1.1112, 0.2965, 0.1793
Android (android.graphics.Color)	4281142835 (0xFF2D0E33)
YUV	27.4870, 11.5919, 15.3589
Hunter-Lab	10.5413, 12.6707, -10.8982

Details

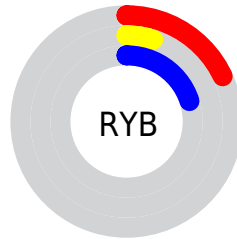
The YIQ color **27.4870, 6.5990, 18.0790** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **37.5130, -6.5990, -18.0790**, and the grayscale version is **27.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.7260, 7.4240, 19.6480**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.2530, 7.3780, 20.4820**, and if you desaturate by 10%, it is **30.7210, 5.8200, 15.6760**.

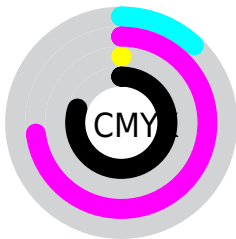
Distribution



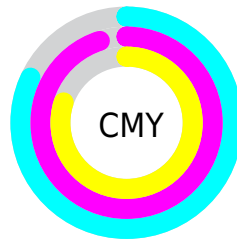
- Red (18%)
- Green (5%)
- Blue (20%)



- Red (18%)
- Yellow (5%)
- Blue (20%)



- Cyan (12%)
- Magenta (73%)
- Yellow (0%)
- Black (80%)



- Cyan (82%)
- Magenta (95%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 27.4870, 6.5990, 18.0790 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 27.4870, 6.5990, 18.0790 by changing the saturation by 10% instead.

■ 27.4870, 6.5990,
18.0790

■ 27.4870, 6.5990,
18.0790

■ 246.7820, 3.8500,
7.3220

■ 11.7920, 7.0580,
15.2660

■ 72.7260, 7.4240,
19.6480

■ 0.0000, 0.0000,
0.0000

■ 96.5520, 7.9740,
20.6940


■ 121.8510, 8.5700,
20.9060

■ 147.6770, 9.1200,
21.9520

■ 175.0900, 9.3950,
22.4750


■ 202.5030, 9.6700,


22.9980


 230.3460, 11.5500,
21.9660


 27.4870, 6.5990,
18.0790


 27.4870, 6.5990,
18.0790

 24.2530, 7.3780,
20.4820


 30.7210, 5.8200,
15.6760


 21.0190, 8.1570,
22.8850

 33.9550, 5.0410,
13.2730

 18.6710, 9.2570,
24.9770

 36.8900, 3.6660,
10.6580

 40.1240, 2.8870,
8.2550

 43.3580, 2.1080,
5.8520

■ 47.1790, 1.0540,
2.9260

■ 50.4130, 0.2750,
0.5230

■ 53.6470, -0.5040,
-1.8800

■ 56.5820, -1.8790,
-4.4950

Harmonies

Analogous

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



25.1570, -19.0750, 9.7970



27.4870, 6.5990, 18.0790



23.4520, 22.8750, 20.4670

Triad

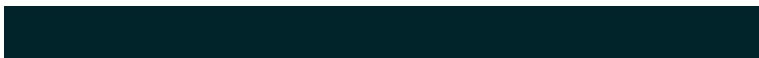
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.4870, 6.5990, 18.0790



26.3360, 16.3690, -4.8070



25.8060, -23.0610, -6.0770

Complementary

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



27.4870, 6.5990, 18.0790



37.5130, -6.5990, -18.0790

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.



23.5260, -16.6410, -12.2970



27.4870, 6.5990, 18.0790



24.7750, 4.5870, -11.5490

Square

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



27.4870, 6.5990, 18.0790



25.2390, 27.1880, 2.8680



19.9580, -9.3500, -17.7820



27.1570, -28.2430, -0.2670

Rectangle

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



27.4870, 6.5990, 18.0790



22.8670, 28.8360, 17.0600



19.9580, -9.3500, -17.7820



25.7090, -21.4100, -8.4660

Sweetspot

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



27.4870, 6.5990, 18.0790



57.1840, 2.6580, 6.8980



21.7400, -13.5270, 8.3690



28.0050, 1.6040, 3.9720



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



27.4870, 6.5990, 18.0790



29.8500, 10.3110, 27.9030



27.9130, 14.0270, 15.6190



23.9400, 0.2290, 1.3570



32.5710, 16.1310, 43.5790



79.1560, 38.8150, 106.0710

Inverse Universe

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



25.7470, 20.1260, 9.7100



27.0690, 31.0830, 14.8830



37.0870, -14.0270, -15.6190



23.8970, 1.7880, 0.6360



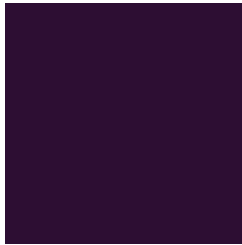
28.2070, 48.5500, 23.2220



68.8730, 118.0970, 56.8890

Previews

White Background



This preview shows how the YIQ color 27.4870, 6.5990, 18.0790 looks on a white background.

Color Contrast Check

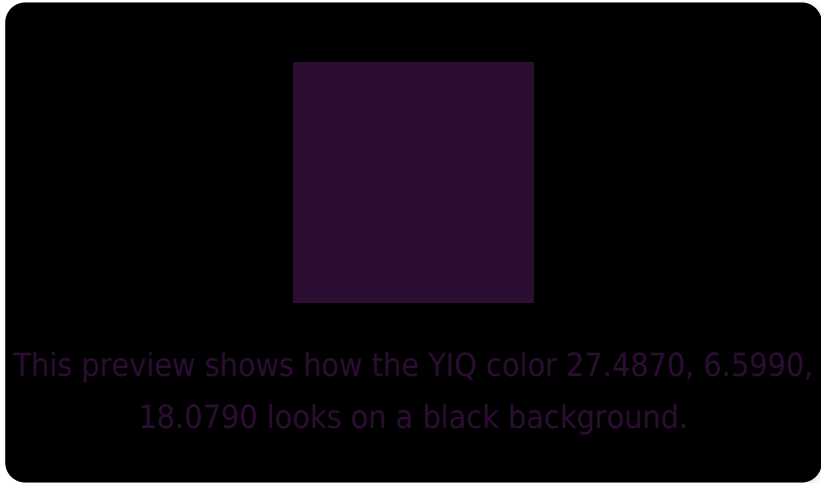
Large Text (above 18pt) WCAG AA ✓ Pass

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

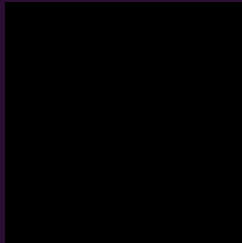
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.4870, 6.5990, 18.0790

Background



This preview shows how black text looks on a background with the YIQ color 27.4870, 6.5990, 18.0790.



This preview shows how white text looks on a background with the YIQ color 27.4870, 6.5990,

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

27.4870, 6.5990, 18.0790

Protanopia

23.1620, -26.6390, 3.7050

Deuteranopia

27.0940, -14.7640, 3.2520



Tritanopia

28.9090, 10.6820, 4.6500

Trichromacy



Original Color

27.4870, 6.5990, 18.0790

Protanomaly

24.6690, -14.7650, 8.7790

Deuteranomaly

27.5620, -7.1540, 8.5100

Tritanomaly

28.4730, 9.2140, 9.2300

Monochromacy



Original Color

27.4870, 6.5990, 18.0790

Achromatopsia

27.0000, -0.0000, 0.0000

Achromatomaly

27.1840, 2.6580, 6.8980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.4870, 6.5990, 18.0790 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(45, 14, 51)` looks like.

```
.text, #text, p{  
    color:rgb(45, 14, 51)  
}
```

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(45, 14, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 14, 51) }
```

Border

The CSS property to change the border of an element to YIQ 27.4870, 6.5990, 18.0790 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(45, 14, 51) }
```


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

```
.border{ border-color:rgb(45, 14, 51) }
```

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

Here you see how a box with a 4 pixel rgb(45, 14, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 14, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 14, 51);  
box-shadow:4px 4px 4px 4px rgb(45, 14, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 27.4870, 6.5990, 18.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 14, 51) }
```

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

```
.background{ background-color: rgb(45, 14,  
51) }
```

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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