

Converting Colors

YIQ(63.4970, 27.0020, 17.2580)

Have a look what the booklet for
YIQ(63.4970, 27.0020, 17.2580)
contains.

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Color

**YIQ(63.4970, 27.0020,
17.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	642D3F
RGB	100, 45, 63
RGB Percent	39%, 18%, 25%
CMY	0.6077, 0.8236, 0.7528
CMYK	0.00, 0.55, 0.37, 0.61
HSL	340°, 38%, 28%
HSV	340°, 55%, 39%
XYZ	7.0949, 4.9456, 5.2868
YIQ	63.4970, 27.0020, 17.2580

Conversions

Conversions Part 2

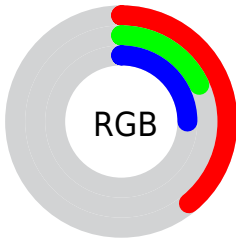
Format	Color
R_{YB}	100, 45, 63
Decimal	6565183
CIE Lab	26.58, 27.00, 0.45
CIE LCh	27, 26.999, 0.952
Yxy	4.9456, 0.4095, 0.2854
Android (android.graphics.Color)	4284755263 (0xFF642D3F)
YUV	63.4970, -0.2450, 32.0131
Hunter-Lab	22.2386, 18.0304, 1.4721

Details

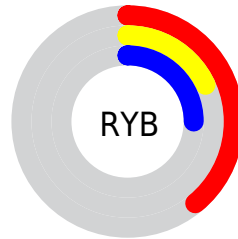
The YIQ color **63.4970, 27.0020, 17.2580** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **81.5030, -27.0020, -17.2580**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.8780, 30.3030, 18.0070**, and **17.3440, 23.0590, 17.1310** is the 20% darker color. If you saturate the color by 10%, you get **56.8290, 31.9990, 20.3110**, and if you desaturate by 10%, it is **70.1650, 22.0050, 14.2050**.

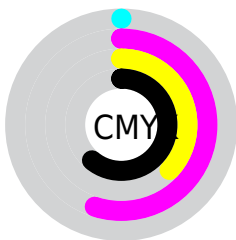
Distribution



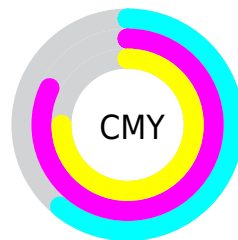
- Red (39%)
- Green (18%)
- Blue (25%)



- Red (39%)
- Yellow (18%)
- Blue (25%)



- Cyan (0%)
- Magenta (55%)
- Yellow (37%)
- Black (61%)



- Cyan (61%)
- Magenta (82%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.4970, 27.0020, 17.2580 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 63.4970, 27.0020, 17.2580 by changing the saturation by 10% instead.

63.4970, 27.0020,
17.2580

63.4970, 27.0020,
17.2580

255.0000, -0.0000,
-0.0000

40.0130, 25.4890,
17.1450

112.9920, 29.9820,
18.3180

17.3440, 23.0590,
17.1310

138.5900, 31.1740,
18.7420

7.5890, 14.5790,
5.6110

165.4870, 32.9620,
19.3780

0.0000, 0.0000,
0.0000

192.7860, 33.5580,
19.5900

217.2090, 27.8730,
17.9930

237.4240, 10.9100,

11.5340

■ 63.4970, 27.0020,
17.2580

■ 63.4970, 27.0020,
17.2580

■ 56.8290, 31.9990,
20.3110

■ 70.1650, 22.0050,
14.2050

■ 50.2750, 36.6750,
23.6750

■ 76.7190, 17.3290,
10.8410

■ 43.6070, 41.6720,
26.7280

■ 83.3870, 12.3320,
7.7880

■ 36.9390, 46.6690,
29.7810

■ 90.0550, 7.3350,
4.7350

■ 33.6620, 49.0070,
31.4630

■ 96.7230, 2.3380,
1.6820

■ 103.2770, -2.3380,
-1.6820

■ 109.9450, -7.3350,
-4.7350

■ 116.6130,
-12.3320, -7.7880

■ 123.2810,
-17.3290, -10.8410

Harmonies

Analogous

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



64.8360, 12.9260, 19.0540



63.4970, 27.0020, 17.2580



62.3910, 32.8720, 9.9920

Triad

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



63.4970, 27.0020, 17.2580



58.7270, 4.5420, -16.2420



52.2620, -50.7080, -6.1320

Complementary

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



63.4970, 27.0020, 17.2580



81.5030, -27.0020, -17.2580

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.



52.3130, -46.7180, -12.3660



63.4970, 27.0020, 17.2580



53.9400, -18.1070, -18.7710

Square

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



63.4970, 27.0020, 17.2580



60.8000, 20.6340, -10.5180



50.0330, -40.2980, -18.5860



56.8880, -37.5510, 3.2250

Rectangle

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



63.4970, 27.0020, 17.2580



62.2780, 31.4520, 2.6840



50.0330, -40.2980, -18.5860



52.3930, -49.6990, -7.8990

Sweetspot

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



63.4970, 27.0020, 17.2580



115.3760, 10.8650, 6.8410



62.3330, 4.3970, 24.9490



57.3430, 6.4640, 4.0000



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



63.4970, 27.0020, 17.2580



72.9060, 42.2680, 26.9400



66.7280, 30.3050, 6.9530



47.7230, 2.3380, 1.6820



38.7170, 56.3420, 36.1980



81.3640, 118.8730, 75.8730

Inverse Universe

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



63.4970, 27.0020, 17.2580



72.9060, 42.2680, 26.9400



78.2720, -30.3050, -6.9530



47.7230, 2.3380, 1.6820



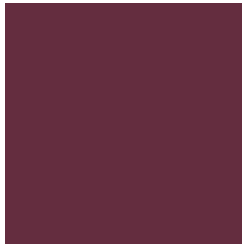
38.7170, 56.3420, 36.1980



81.3640, 118.8730, 75.8730

Previews

White Background



This preview shows how the YIQ color 63.4970, 27.0020, 17.2580 looks on a white background.

Color Contrast Check

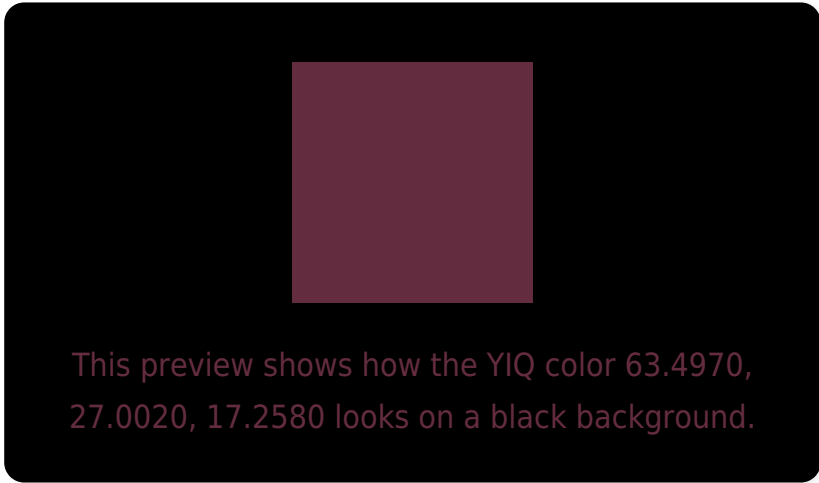
Large Text (above 18pt) WCAG AA ✓ Pass

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

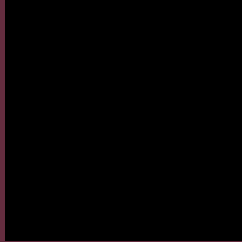
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.4970, 27.0020, 17.2580

Background



This preview shows how black text looks on a background with the YIQ color 63.4970, 27.0020, 17.2580.



This preview shows how white text looks on a background with the YIQ color 63.4970, 27.0020,

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

63.4970, 27.0020, 17.2580

Protanopia

63.9550, -4.1270, 3.2090

Deuteranopia

63.8760, 6.2810, 1.8090



Tritanopia

63.0040, 29.7080, 12.2680

Trichromacy



Original Color

63.4970, 27.0020, 17.2580

Protanomaly

63.5760, 7.4260, 8.5940

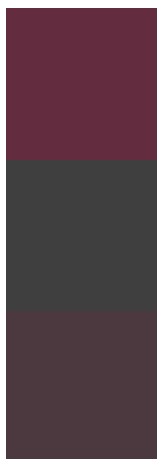
Deuteranomaly

63.7570, 14.1660, 7.5900

Tritanomaly

62.8730, 28.6990, 14.0350

Monochromacy



Original Color

63.4970, 27.0020, 17.2580

Achromatopsia

63.0000, 0.0000, 0.0000

Achromatomaly

62.7780, 9.6730, 6.4170

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.4970, 27.0020, 17.2580 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(100, 45, 63)` looks like.

```
.text, #text, p{  
    color:rgb(100, 45, 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(100, 45, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 45, 63) }
```

Border

The CSS property to change the border of an element to YIQ 63.4970, 27.0020, 17.2580 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(100, 45, 63) }
```


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

```
.border{ border-color:rgb(100, 45, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 45, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 45, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 45, 63);  
box-shadow:4px 4px 4px 4px rgb(100, 45,  
63) }
```

Background

The CSS property to change the background color of an element to YIQ 63.4970, 27.0020, 17.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 45, 63) }
```

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

```
.background{ background-color: rgb(100, 45,  
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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