

Converting Colors

YIQ(42.7130, 27.7750, 52.8230)

Have a look what the booklet for
YIQ(42.7130, 27.7750, 52.8230)
contains.

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Color

**YIQ(42.7130, 27.7750,
52.8230)**

Conversions

Conversions Part 1

Format	Color
Hex	660166
RGB	102, 1, 102
RGB Percent	40%, 0%, 40%
CMY	0.5997, 0.9962, 0.6000
CMYK	0.00, 0.99, 0.00, 0.60
HSL	300°, 98%, 20%
HSV	300°, 99%, 40%
XYZ	7.8973, 3.8096, 12.8916
YIQ	42.7130, 27.7750, 52.8230

Conversions

Conversions Part 2

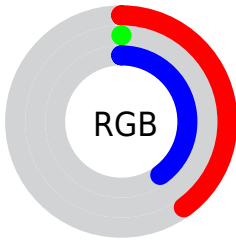
Format	Color
R_{YB}	102, 1, 102
Decimal	6685030
CIE _{Lab}	23.03, 49.94, -30.91
CIE _{LCh}	23, 58.734, 328.244
Yxy	3.8096, 0.3210, 0.1549
Android (android.graphics.Color)	4284875110 (0xFF660166)
YUV	42.7130, 29.2285, 51.9947
Hunter-Lab	19.5181, 38.0672, -25.4980

Details

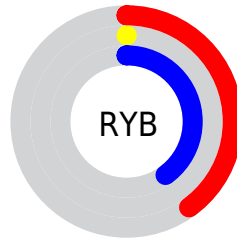
The YIQ color **42.7130, 27.7750, 52.8230** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **60.2870, -27.7750, -52.8230**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.3550, 25.6670, 46.9710**, and **21.7040, 13.6580, 27.8180** is the 20% darker color. If you saturate the color by 10%, you get **42.1260, 28.0500, 53.3460**, and if you desaturate by 10%, it is **48.5830, 25.0250, 47.5930**.

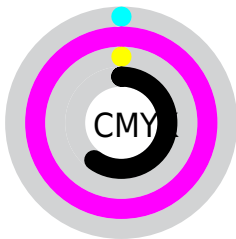
Distribution



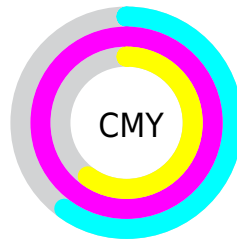
- Red (40%)
- Green (0%)
- Blue (40%)



- Red (40%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (99%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.7130, 27.7750, 52.8230 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 42.7130, 27.7750, 52.8230 by changing the saturation by 10% instead.

42.7130, 27.7750,
52.8230

42.7130, 27.7750,
52.8230

255.0000, -0.0000,
-0.0000

31.6160, 20.2580,
40.3700

102.3550, 25.6670,
46.9710

21.7040, 13.6580,
27.8180

129.0670, 26.5380,
47.7060

10.8240, 4.0320,
15.0400

156.6650, 27.7300,
48.1300

0.4560, -1.2840,
1.2440


184.4910, 28.2800,
49.1760


0.0000, 0.0000,
0.0000


206.2790, 22.8250,
43.4090


223.3020, 14.8500,


28.2420


 239.7380, 7.1500,
13.5980


 42.7130, 27.7750,
52.8230


 42.7130, 27.7750,
52.8230


 42.1260, 28.0500,
53.3460

 48.5830, 25.0250,
47.5930

 54.4530, 22.2750,
42.3630

 60.9100, 19.2500,
36.6100

 66.7800, 16.5000,
31.3800

 72.6500, 13.7500,
26.1500

■ 78.5200, 11.0000,
20.9200

■ 84.3900, 8.2500,
15.6900

■ 90.8470, 5.2250,
9.9370

■ 96.7170, 2.4750,
4.7070

Harmonies

Analogous

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



49.7750, -37.8300, 24.8100



42.7130, 27.7750, 52.8230



44.5140, 55.8360, 45.3720

Triad

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



42.7130, 27.7750, 52.8230



52.3400, 27.7410, -12.6670



53.2080, -50.6160, -7.8000

Complementary

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



42.7130, 27.7750, 52.8230



60.2870, -27.7750, -52.8230

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.



47.4910, -35.8960, -21.2720



42.7130, 27.7750, 52.8230



45.0430, -2.7000, -28.1720

Square

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



42.7130, 27.7750, 52.8230



48.4070, 53.1380, 6.1460



40.5030, -18.9750, -36.0870



56.0240, -61.3010, 4.1310

Rectangle

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



42.7130, 27.7750, 52.8230



41.5070, 65.7410, 36.5650



40.5030, -18.9750, -36.0870



51.6120, -46.1220, -12.1540

Sweetspot

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



42.7130, 27.7750, 52.8230



109.5200, 11.0000, 20.9200



12.5140, -32.4210, 31.4110



51.9120, 6.6000, 12.5520



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.



42.7130, 27.7750, 52.8230



54.9290, 36.5750, 69.5590



37.0130, 43.8250, 37.2730



48.0650, 1.3750, 2.6150



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660

Inverse Universe

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



42.7130, 27.7750, 52.8230



54.9290, 36.5750, 69.5590



66.1010, -44.1460, -36.9620



48.0650, 1.3750, 2.6150



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660

Previews

White Background



This preview shows how the YIQ color 42.7130, 27.7750, 52.8230 looks on a white background.

Color Contrast Check

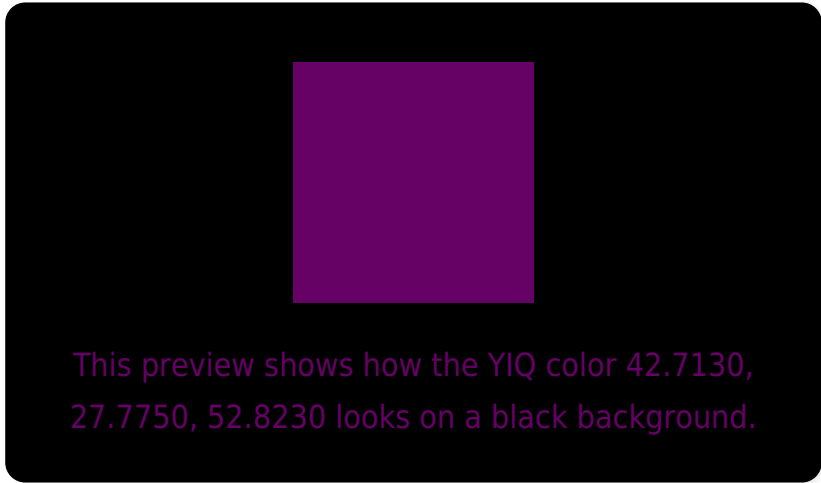
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7130, 27.7750, 52.8230

Background



This preview shows how black text looks on a background with the YIQ color 42.7130, 27.7750, 52.8230.



This preview shows how white text looks on a background with the YIQ color 42.7130, 27.7750,

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

42.7130, 27.7750, 52.8230

Protanopia

47.1390, -54.1950, 7.5090

Deuteranopia

56.0420, -26.1810, 6.4190



Tritanopia

57.0860, 32.4130, 12.8050

Trichromacy



Original Color

42.7130, 27.7750, 52.8230

Protanomaly

45.6640, -24.3960, 23.6360

Deuteranomaly

51.1190, -6.7440, 23.1120

Tritanomaly

51.8600, 30.7140, 27.0820

Monochromacy



Original Color

42.7130, 27.7750, 52.8230

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.8680, 9.9000, 18.8280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.7130, 27.7750, 52.8230 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(102, 1, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 1, 102)  
}
```

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(102, 1, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 1, 102) }
```

Border

The CSS property to change the border of an element to YIQ 42.7130, 27.7750, 52.8230 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(102, 1, 102) }
```


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

```
.border{ border-color:rgb(102, 1, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 1, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 1, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 1, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 1,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 42.7130, 27.7750, 52.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 1, 102) }
```

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

```
.background{ background-color: rgb(102, 1,  
102) }
```

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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