

Converting Colors

YIQ(37.4640, 23.7420, 43.3100)

Have a look what the booklet for
YIQ(37.4640, 23.7420, 43.3100)
contains.

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Color

**YIQ(37.4640, 23.7420,
43.3100)**

Conversions

Conversions Part 1

Format	Color
Hex	570355
RGB	87, 3, 85
RGB Percent	34%, 1%, 33%
CMY	0.6586, 0.9884, 0.6666
CMYK	0.00, 0.97, 0.02, 0.66
HSL	301°, 93%, 18%
HSV	301°, 97%, 34%
XYZ	5.6086, 2.7497, 8.8311
YIQ	37.4640, 23.7420, 43.3100

Conversions

Conversions Part 2

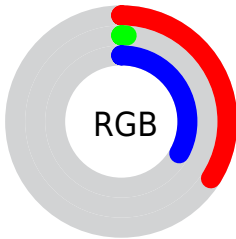
Format	Color
RYB	87, 3, 85
Decimal	5702485
CIELab	19.01, 43.75, -26.21
CIELCh	19, 50.995, 329.075
Yxy	2.7497, 0.3263, 0.1600
Android (android.graphics.Color)	4283892565 (0xFF570355)
YUV	37.4640, 23.4352, 43.4431
Hunter-Lab	16.5822, 31.3559, -19.9683




Details

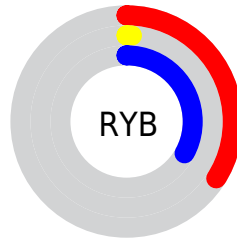
The YIQ color **37.4640, 23.7420, 43.3100** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **52.5360, -23.7420, -43.3100**, and the grayscale version is **37.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **93.0570, 23.3300, 39.7620**, and **16.8190, 11.5960, 21.1320** is the 20% darker color. If you saturate the color by 10%, you get **35.7030, 24.5670, 44.8790**, and if you desaturate by 10%, it is **42.7470, 21.2670, 38.6030**.

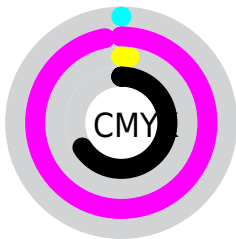
Distribution







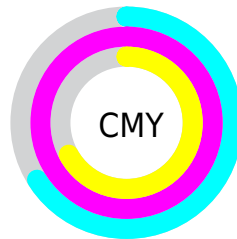
-  Red (34%)
-  Green (1%)
-  Blue (33%)






-  Red (34%)
-  Yellow (1%)
-  Blue (33%)



-  Cyan (0%)
-  Magenta (97%)
-  Yellow (2%)
-  Black (66%)





-  Cyan (66%)
-  Magenta (99%)
-  Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 37.4640, 23.7420, 43.3100 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 37.4640, 23.7420, 43.3100 by changing the saturation by 10% instead.


 37.4640, 23.7420,
43.3100


 37.4640, 23.7420,
43.3100


 253.2390, 0.8250,
1.5690


 25.4920, 17.3710,
32.1150

 93.0570, 23.3300,
39.7620


 16.8190, 11.5960,
21.1320


 119.4700, 23.6050,
40.2850

 2.4110, -5.4110,
4.4530

 146.1820, 24.4760,
41.0200


 0.0000, 0.0000,
0.0000


 173.3070, 25.6220,
42.2780


 201.0190, 26.4930,
43.0130


 219.1930, 16.7750,


31.9030


 236.2160, 8.8000,
16.7360


 37.4640, 23.7420,
43.3100


 37.4640, 23.7420,
43.3100


 35.7030, 24.5670,
44.8790

 42.7470, 21.2670,
38.6030

 47.4430, 19.0670,
34.4190

 52.8400, 16.2710,
30.0230

 58.1230, 13.7960,
25.3160

 63.4060, 11.3210,
20.6090

■ 68.1020, 9.1210,
16.4250

■ 73.3850, 6.6460,
11.7180

■ 78.7820, 3.8500,
7.3220

■ 83.4780, 1.6500,
3.1380

Harmonies

Analogous

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



43.4570, -28.2470, 21.8410



37.4640, 23.7420, 43.3100



37.2800, 47.4470, 37.7110

Triad

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



37.4640, 23.7420, 43.3100



44.0560, 22.7890, -11.0270



45.1550, -43.0970, -6.4010

Complementary

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



37.4640, 23.7420, 43.3100



52.5360, -23.7420, -43.3100

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.



40.2360, -30.6240, -17.6960



37.4640, 23.7420, 43.3100



37.6780, -2.9300, -24.0020

Square

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



37.4640, 23.7420, 43.3100



41.2750, 44.7020, 4.8460



34.0460, -15.9500, -30.3340



47.2870, -51.8560, 3.6640

Rectangle

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



37.4640, 23.7420, 43.3100



34.8430, 55.7470, 30.4590



34.0460, -15.9500, -30.3340



43.7870, -39.2450, -10.1330

Sweetspot

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



37.4640, 23.7420, 43.3100



93.1020, 9.1210, 16.4250



12.8750, -26.3680, 26.3360



44.2600, 5.5000, 10.4600



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.



37.4640, 23.7420, 43.3100



45.9140, 31.7630, 57.6430



32.7900, 36.9030, 30.5590



40.6520, 1.1000, 2.0920



43.8490, 30.3880, 55.0280



96.3710, 66.5510, 121.0390

Inverse Universe

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



37.4640, 23.7420, 43.3100



45.9140, 31.7630, 57.6430



57.2100, -36.9030, -30.5590



40.6520, 1.1000, 2.0920



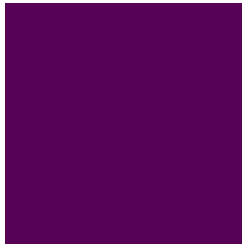
43.8490, 30.3880, 55.0280



96.3710, 66.5510, 121.0390

Previews

White Background



This preview shows how the YIQ color 37.4640, 23.7420, 43.3100 looks on a white background.

Color Contrast Check

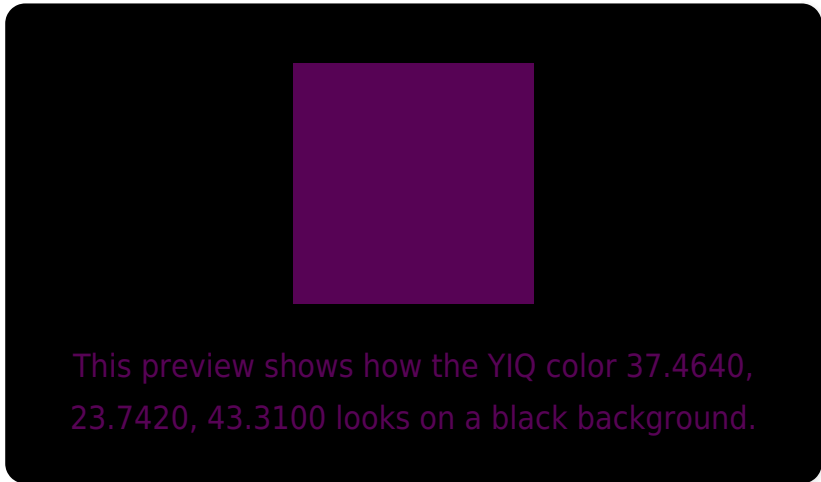
Large Text (above 18pt) WCAG AA ✓ Pass

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

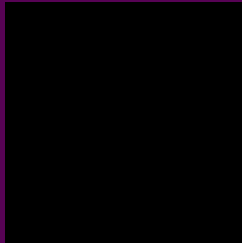
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.4640, 23.7420, 43.3100

Background



This preview shows how black text looks on a background with the YIQ color 37.4640, 23.7420, 43.3100.



This preview shows how white text looks on a background with the YIQ color 37.4640, 23.7420,

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

37.4640, 23.7420, 43.3100

Protanopia

39.6900, -45.6210, 6.3070

Deuteranopia

48.0380, -20.3580, 5.5140



Tritanopia

47.9930, 28.2410, 11.3210

Trichromacy



Original Color

37.4640, 23.7420, 43.3100

Protanomaly

39.1820, -20.2230, 19.5930

Deuteranomaly

44.2670, -4.4050, 19.2670

Tritanomaly

44.1860, 26.6800, 23.0960

Monochromacy



Original Color

37.4640, 23.7420, 43.3100

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.2760, 8.5710, 15.3790

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.4640, 23.7420, 43.3100 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(87, 3, 85)` looks like.

```
.text, #text, p{  
    color:rgb(87, 3, 85)  
}
```

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(87, 3, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 3, 85) }
```

Border

The CSS property to change the border of an element to YIQ 37.4640, 23.7420, 43.3100 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(87, 3, 85) }
```


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

```
.border{ border-color:rgb(87, 3, 85) }
```

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

Here you see how a box with a 4 pixel rgb(87, 3, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 3, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 3, 85); box-shadow:4px  
4px 4px 4px rgb(87, 3, 85) }
```

Background

The CSS property to change the background color of an element to YIQ 37.4640, 23.7420, 43.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 3, 85) }
```

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

```
.background{ background-color: rgb(87, 3,  
85) }
```

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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