

Converting Colors

YIQ(36.7680, 16.7740, 37.4300)

Have a look what the booklet for
YIQ(36.7680, 16.7740, 37.4300)
contains.

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Color

**YIQ(36.7680, 16.7740,
37.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	4C0852
RGB	76, 8, 82
RGB Percent	30%, 3%, 32%
CMY	0.7018, 0.9687, 0.6784
CMYK	0.07, 0.90, 0.00, 0.68
HSL	295°, 82%, 18%
HSV	295°, 90%, 32%
XYZ	4.5943, 2.3210, 8.1890
YIQ	36.7680, 16.7740, 37.4300

Conversions

Conversions Part 2

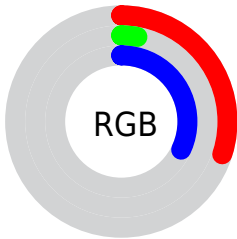
Format	Color
RYB	76, 8, 82
Decimal	4982866
CIELab	17.09, 39.51, -27.37
CIElCh	17, 48.067, 325.288
Yxy	2.3210, 0.3042, 0.1537
Android (android.graphics.Color)	4283172946 (0xFF4C0852)
YUV	36.7680, 22.2994, 34.4065
Hunter-Lab	15.2347, 27.1694, -21.2053

Details

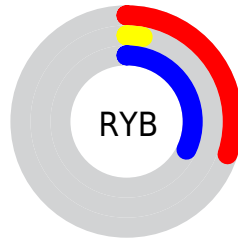
The YIQ color **36.7680, 16.7740, 37.4300** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **53.2320, -16.7740, -37.4300**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.1270, 17.1410, 36.2850**, and **13.1880, 6.0030, 17.8670** is the 20% darker color. If you saturate the color by 10%, you get **31.7730, 18.3780, 41.4020**, and if you desaturate by 10%, it is **41.7630, 15.1700, 33.4580**.

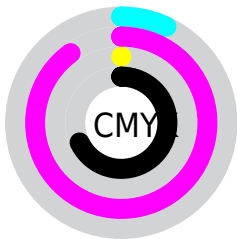
Distribution



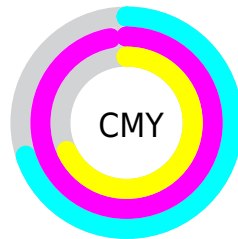
- Red (30%)
- Green (3%)
- Blue (32%)



- Red (30%)
- Yellow (3%)
- Blue (32%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)
- Black (68%)



- Cyan (70%)
- Magenta (97%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.7680, 16.7740, 37.4300 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 36.7680, 16.7740, 37.4300 by changing the saturation by 10% instead.

■ 36.7680, 16.7740,
37.4300

■ 36.7680, 16.7740,
37.4300

■ 252.0650, 1.3750,
2.6150

■ 21.9750, 11.4570,
29.1610

■ 89.1270, 17.1410,
36.2850

■ 13.1880, 6.0030,
17.8670

■ 114.8390, 18.0120,
37.0200

■ 1.3680, -3.8520,
3.7320

■ 141.2520, 18.2870,
37.5430


■ 0.0000, 0.0000,
0.0000


■ 168.0780, 18.8370,
38.5890


■ 195.9040, 19.3870,
39.6350


■ 218.6060, 17.0500,


32.4260


 235.0420, 9.3500,
17.7820


 36.7680, 16.7740,
37.4300

 36.7680, 16.7740,
37.4300

 31.7730, 18.3780,
41.4020

 41.7630, 15.1700,
33.4580

 46.4590, 12.9700,
29.2740

 52.0410, 11.0910,
24.7790

 57.0360, 9.4870,
20.8070

 61.7320, 7.2870,
16.6230

■ 66.7270, 5.6830,
12.6510

■ 71.7220, 4.0790,
8.6790

■ 77.0050, 1.6040,
3.9720

■ 82.0000, 0.0000,
-0.0000

Harmonies

Analogous

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



35.6080, -39.1580, 15.8340



36.7680, 16.7740, 37.4300



34.5890, 42.0830, 35.8030

Triad

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



36.7680, 16.7740, 37.4300



40.2350, 23.8430, -8.1010



40.9660, -38.1910, -7.2070

Complementary

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



36.7680, 16.7740, 37.4300



53.2320, -16.7740, -37.4300

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.



36.2750, -26.3600, -17.8800



36.7680, 16.7740, 37.4300



35.3520, 1.1040, -20.0160

Square

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



36.7680, 16.7740, 37.4300



36.8450, 43.0970, 6.4010



31.1110, -14.5750, -27.7190



42.9840, -46.6290, 2.5470

Rectangle

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



36.7680, 16.7740, 37.4300



32.6790, 50.3370, 29.3850



31.1110, -14.5750, -27.7190



39.5980, -34.3390, -10.9390

Sweetspot

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



36.7680, 16.7740, 37.4300



89.3790, 6.7830, 14.7430



19.9580, -25.4040, 19.8760



42.8360, 3.7580, 8.9900



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



36.7680, 16.7740, 37.4300



41.5000, 24.0610, 54.0530



35.0280, 30.3010, 29.0610



38.3530, 0.5040, 1.8800



40.6740, 23.5110, 53.0070



90.1350, 52.4760, 117.3080

Inverse Universe

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



30.8100, 42.1780, 17.5540



33.0190, 60.8830, 25.4830



54.9720, -30.3010, -29.0610



38.1960, 2.3840, 0.8480



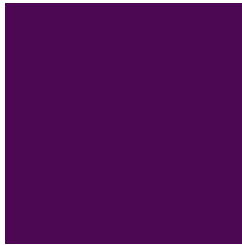
32.3070, 60.0120, 24.7480



71.5340, 132.1730, 55.0930

Previews

White Background



This preview shows how the YIQ color 36.7680, 16.7740, 37.4300 looks on a white background.

Color Contrast Check

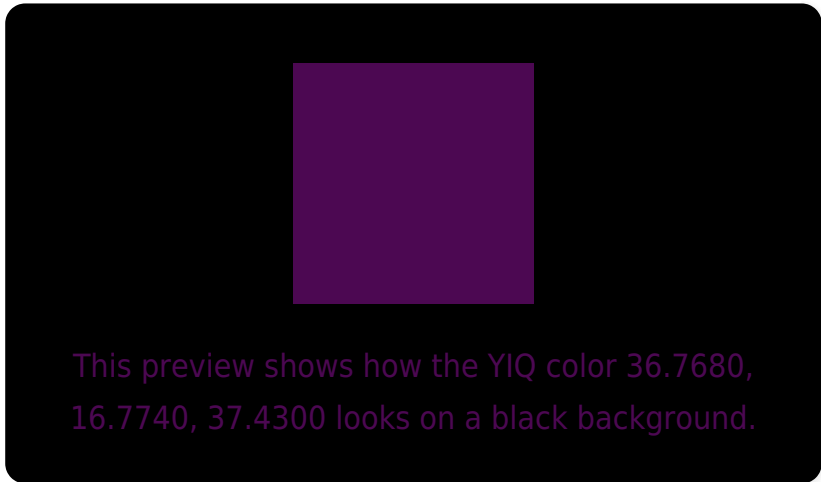
Large Text (above 18pt) WCAG AA ✓ Pass

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

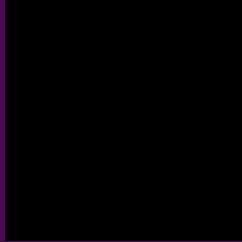
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 36.7680, 16.7740, 37.4300

Background



This preview shows how black text looks on a background with the YIQ color 36.7680, 16.7740, 37.4300.



This preview shows how white text looks on a background with the YIQ color 36.7680, 16.7740,

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

36.7680, 16.7740, 37.4300

Protanopia

35.6150, -41.0360, 5.8120

Deuteranopia

41.1730, -25.1720, 4.6520



Tritanopia

44.2910, 21.4100, 8.4660

Trichromacy



Original Color

36.7680, 16.7740, 37.4300

Protanomaly

36.0140, -19.8100, 17.6140

Deuteranomaly

39.7500, -10.3190, 16.3130

Tritanomaly

41.5440, 19.6200, 18.8840

Monochromacy



Original Color

36.7680, 16.7740, 37.4300

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

36.5530, 6.2330, 13.6970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.7680, 16.7740, 37.4300 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(76, 8, 82)` looks like.

```
.text, #text, p{  
    color:rgb(76, 8, 82)  
}
```

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(76, 8, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 8, 82) }
```

Border

The CSS property to change the border of an element to YIQ 36.7680, 16.7740, 37.4300 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(76, 8, 82) }
```


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

```
.border{ border-color:rgb(76, 8, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 8, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 8, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 8, 82); box-shadow:4px  
4px 4px 4px rgb(76, 8, 82) }
```

Background

The CSS property to change the background color of an element to YIQ 36.7680, 16.7740, 37.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 8, 82) }
```

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

```
.background{ background-color: rgb(76, 8,  
82) }
```

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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