

Converting Colors

YIQ(40.5910, 47.7690, 31.8730)

Have a look what the booklet for
YIQ(40.5910, 47.7690, 31.8730)
contains.

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Color

**YIQ(40.5910, 47.7690,
31.8730)**

Conversions

Conversions Part 1

Format	Color
Hex	6A072A
RGB	106, 7, 42
RGB Percent	42%, 3%, 16%
CMY	0.5841, 0.9727, 0.8351
CMYK	0.00, 0.93, 0.60, 0.58
HSL	339°, 88%, 22%
HSV	339°, 93%, 42%
XYZ	6.4458, 3.3867, 2.5083
YIQ	40.5910, 47.7690, 31.8730

Conversions

Conversions Part 2

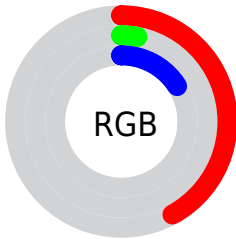
Format	Color
R_{YB}	106, 7, 42
Decimal	6948650
CIE Lab	21.53, 42.13, 7.80
CIE LCh	22, 42.847, 10.489
Yxy	3.3867, 0.5223, 0.2744
Android (android.graphics.Color)	4285138730 (0xFF6A072A)
YUV	40.5910, 0.6946, 57.3637
Hunter-Lab	18.4030, 30.3162, 4.8009

Details

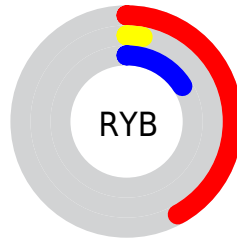
The YIQ color **40.5910, 47.7690, 31.8730** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **72.4090, -47.7690, -31.8730**, and the grayscale version is **41.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **96.5110, 50.7500, 27.4060**, and **16.2600, 31.8630, 11.7590** is the 20% darker color. If you saturate the color by 10%, you get **36.0260, 50.9780, 34.2900**, and if you desaturate by 10%, it is **47.8460, 42.4970, 28.2970**.

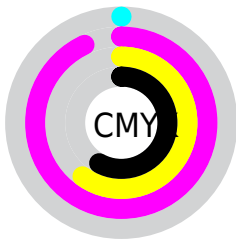
Distribution



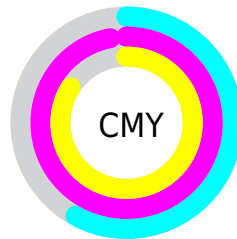
- Red (42%)
- Green (3%)
- Blue (16%)



- Red (42%)
- Yellow (3%)
- Blue (16%)



- Cyan (0%)
- Magenta (93%)
- Yellow (60%)
- Black (58%)



- Cyan (58%)
- Magenta (97%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 40.5910, 47.7690, 31.8730 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 40.5910, 47.7690, 31.8730 by changing the saturation by 10% instead.

■ 40.5910, 47.7690,
31.8730

■ 40.5910, 47.7690,
31.8730

■ 255.0000, -0.0000,
-0.0000

■ 26.1290, 40.0220,
23.5900

■ 96.5110, 50.7500,
27.4060

■ 16.5590, 32.4590,
11.9710

■ 123.1800, 53.1800,
27.4200

■ 4.1860, 8.3440,
2.9680

■ 150.0770, 54.9680,
28.0560


■ 0.0000, 0.0000,
0.0000


■ 177.8600, 57.0770,
28.3810


■ 198.2820, 43.9650,
23.7170


■ 217.9100, 27.2770,


17.7810


 238.1250, 10.3140,
11.3220


 40.5910, 47.7690,
31.8730


 40.5910, 47.7690,
31.8730


 36.0260, 50.9780,
34.2900

 47.8460, 42.4970,
28.2970

 54.5140, 37.5000,
25.2440

 61.7690, 32.2280,
21.6680

 68.3230, 27.5520,
18.3040

 75.5780, 22.2800,
14.7280

■ 82.8330, 17.0080,
11.1520

■ 89.5010, 12.0110,
8.0990

■ 96.7560, 6.7390,
4.5230

■ 103.4240, 1.7420,
1.4700

Harmonies

Analogous

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



47.1190, 28.7870, 34.4750



40.5910, 47.7690, 31.8730



45.4160, 48.9190, 11.0230

Triad

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



40.5910, 47.7690, 31.8730



40.8900, -6.6430, -28.2990



48.5750, -52.7270, 2.9290

Complementary

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



40.5910, 47.7690, 31.8730



72.4090, -47.7690, -31.8730

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.



48.6430, -47.4070, -5.3830



40.5910, 47.7690, 31.8730



40.8740, -26.9090, -24.4530

Square

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



40.5910, 47.7690, 31.8730



48.1430, 17.9300, -16.5820



45.2230, -37.7770, -14.7130



43.6340, -51.2150, 8.5690

Rectangle

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



40.5910, 47.7690, 31.8730



48.0310, 42.2730, -0.6950



45.2230, -37.7770, -14.7130



49.1790, -51.6720, 0.3280

Sweetspot

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



40.5910, 47.7690, 31.8730



112.2570, 18.7500, 12.6220



37.1230, 5.7690, 44.1450



53.2020, 11.4150, 7.8870



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



40.5910, 47.7690, 31.8730



46.8480, 66.5190, 44.4950



44.2320, 55.4290, 14.1890



50.0220, 2.9340, 1.8940



39.7710, 56.2500, 37.8660



83.1730, 118.0930, 78.9970

Inverse Universe

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



40.5910, 47.7690, 31.8730



46.8480, 66.5190, 44.4950



68.7680, -55.4290, -14.1890



50.0220, 2.9340, 1.8940



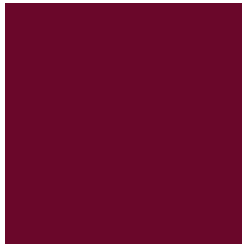
39.7710, 56.2500, 37.8660



83.1730, 118.0930, 78.9970

Previews

White Background



This preview shows how the YIQ color 40.5910, 47.7690, 31.8730 looks on a white background.

Color Contrast Check

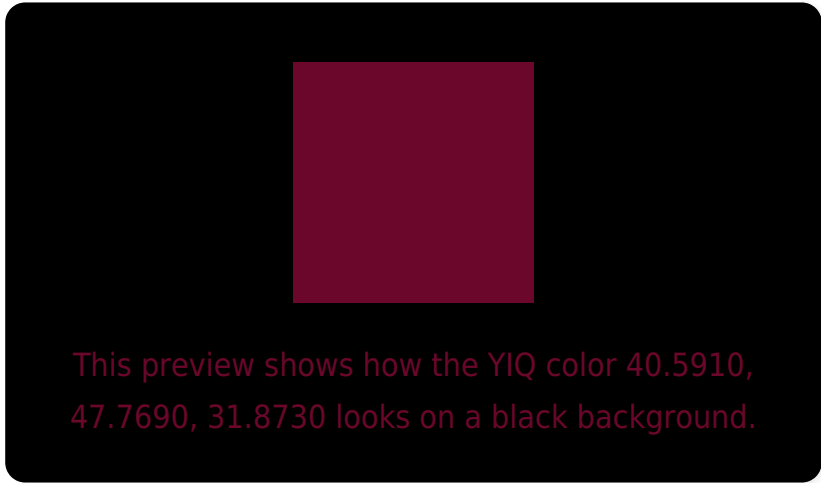
Large Text (above 18pt) WCAG AA ✓ Pass

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

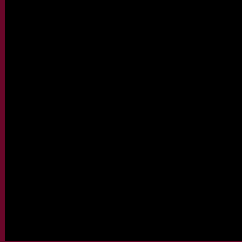
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 40.5910, 47.7690, 31.8730

Background



This preview shows how black text looks on a background with the YIQ color 40.5910, 47.7690, 31.8730.



This preview shows how white text looks on a background with the YIQ color 40.5910, 47.7690,

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

40.5910, 47.7690, 31.8730

Protanopia

54.7980, -2.2470, 2.1770

Deuteranopia

54.2910, 12.2420, -1.5980



Tritanopia

43.8990, 52.1730, 18.1330

Trichromacy



Original Color

40.5910, 47.7690, 31.8730

Protanomaly

49.7020, 15.9990, 12.9190

Deuteranomaly

49.4980, 25.2610, 10.2610

Tritanomaly

42.5770, 50.3840, 23.0240

Monochromacy



Original Color

40.5910, 47.7690, 31.8730

Achromatopsia

41.0000, 0.0000, -0.0000

Achromatomaly

41.1320, 17.6040, 11.3640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 40.5910, 47.7690, 31.8730 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(106, 7, 42)` looks like.

```
.text, #text, p{  
    color:rgb(106, 7, 42)  
}
```

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(106, 7, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 7, 42) }
```

Border

The CSS property to change the border of an element to YIQ 40.5910, 47.7690, 31.8730 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(106, 7, 42) }
```


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

```
.border{ border-color:rgb(106, 7, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 7, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 7, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 7, 42);  
box-shadow:4px 4px 4px 4px rgb(106, 7, 42)  
}
```

Background

The CSS property to change the background color of an element to YIQ 40.5910, 47.7690, 31.8730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 7, 42) }
```

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

```
.background{ background-color: rgb(106, 7,  
42) }
```

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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