

# Converting Colors

YIQ(42.4600, 73.1230, 34.9390)

Have a look what the booklet for  
YIQ(42.4600, 73.1230, 34.9390)  
contains.

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# Color

**YIQ(42.4600, 73.1230,  
34.9390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	860015
RGB	134, 0, 21
RGB Percent	53%, 0%, 8%
CMY	0.4742, 0.9999, 0.9174
CMYK	0.00, 1.00, 0.84, 0.47
HSL	351°, 100%, 26%
HSV	351°, 100%, 53%
XYZ	9.9810, 5.1297, 1.1769
YIQ	42.4600, 73.1230, 34.9390

# Conversions

## Conversions Part 2

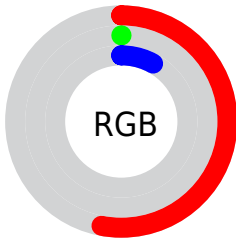
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	134, 0, 21
Decimal	8781845
CIE Lab	27.10, 50.11, 30.09
CIE LCh	27, 58.453, 30.984
Yxy	5.1297, 0.6128, 0.3149
Android (android.graphics.Color)	4286971925 (0xFF860015)
YUV	42.4600, -10.5798, 80.2806
Hunter-Lab	22.6488, 39.0270, 12.7732

# Details

The YIQ color **42.4600, 73.1230, 34.9390** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **91.5400, -73.1230, -34.9390**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **105.2180, 76.3800, 25.4680**, and **22.4250, 44.7000, 15.9000** is the 20% darker color. If you saturate the color by 10%, you get **42.4600, 73.1230, 34.9390**, and if you desaturate by 10%, it is **51.3450, 66.0170, 31.5610**.

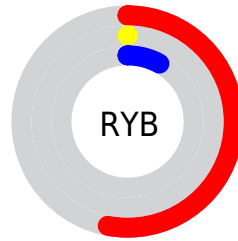
# Distribution



Red (53%)

Green (0%)

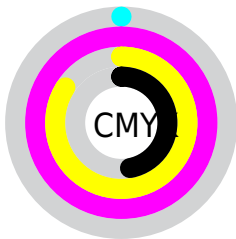
Blue (8%)



Red (53%)

Yellow (0%)

Blue (8%)

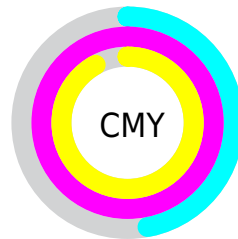


Cyan (0%)

Magenta (100%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (100%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.4600, 73.1230, 34.9390 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 42.4600, 73.1230, 34.9390 by changing the saturation by 10% instead.



■ 42.4600, 73.1230,  
34.9390

■ 42.4600, 73.1230,  
34.9390

■ 254.2020, 2.2470,  
-2.1770

■ 31.3950, 62.5800,  
22.2600

■ 105.5170, 76.9760,  
25.6800

■ 22.4250, 44.7000,  
15.9000

■ 133.0720, 79.7270,  
25.3830

■ 14.5800, 27.9660,  
10.7980

■ 161.2140, 82.2030,  
24.5630


■ 0.0000, 0.0000,  
0.0000

■ 180.0270, 66.4320,  
18.5280


■ 199.4270, 50.3860,  
11.9700


■ 218.9410, 34.0190,


5.7230


 239.1560, 17.0560,  
-0.7360


 42.4600, 73.1230,  
34.9390

 51.3450, 66.0170,  
31.5610

 60.9310, 58.3150,  
27.9710

 69.8160, 51.2090,  
24.5930

 79.2880, 43.8280,  
20.6920

 88.2870, 36.4010,  
17.6250

■ 97.1720, 29.2950,  
14.2470

■ 106.6440, 21.9140,  
10.3460

■ 115.5290, 14.8080,  
6.9680

■ 125.1150, 7.1060,  
3.3780

# Harmonies

## Analogous

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



48.6720, 61.3830, 49.4710



42.4600, 73.1230, 34.9390



58.7290, 54.9270, 1.2550

# Triad

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



42.4600, 73.1230, 34.9390



47.9690, -26.2190, -36.9630



58.7600, -69.0050, 11.5950

# Complementary

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



42.4600, 73.1230, 34.9390



91.5400, -73.1230, -34.9390

# 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.



62.6750, -67.6280, 3.1560



42.4600, 73.1230, 34.9390



55.4300, -43.0940, -22.9820

# Square

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



42.4600, 73.1230, 34.9390



53.0060, -1.2780, -31.9180



60.5600, -57.5390, -8.9870



62.5700, -26.8270, 29.1490



# Rectangle

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



42.4600, 73.1230, 34.9390



61.2550, 38.2860, -11.0420



60.5600, -57.5390, -8.9870



60.9940, -69.7840, 9.1920

# Sweetspot

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



42.4600, 73.1230, 34.9390



137.5740, 28.1030, 13.8230



48.7640, 23.7380, 65.4180



65.1380, 17.4670, 8.3390



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



42.4600, 73.1230, 34.9390



54.8050, 94.4410, 45.0730



66.4810, 67.4890, 4.8730



61.9080, 3.2550, 1.5830



41.1500, 71.0600, 33.7800



0.8970, 1.7880, 0.6360



# Inverse Universe

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



42.4600, 73.1230, 34.9390



54.8050, 94.4410, 45.0730



67.5190, -67.4890, -4.8730



61.9080, 3.2550, 1.5830



41.1500, 71.0600, 33.7800



0.8970, 1.7880, 0.6360



# Previews

## White Background



This preview shows how the YIQ color 42.4600, 73.1230, 34.9390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

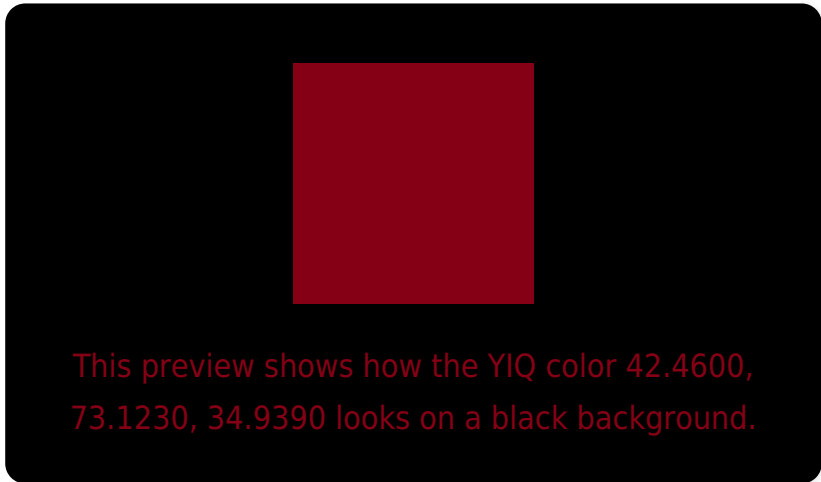
Any Text WCAG AA ✓ Pass

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 42.4600, 73.1230, 34.9390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 42.4600, 73.1230, 34.9390.



This preview shows how white text looks on a background with the YIQ color 42.4600, 73.1230,



# 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

42.4600, 73.1230, 34.9390

### Protanopia

66.2170, 15.0860, -9.0900

### Deuteranopia

63.2820, 33.6560, -15.2400



## Tritanopia

46.8110, 75.9680, 21.9200

# Trichromacy



## Original Color

42.4600, 73.1230, 34.9390

## Protanomaly

57.2510, 36.0820, 6.8820

## Deuteranomaly

55.7760, 47.5450, 2.8810

## Tritanomaly

45.3750, 74.5000, 26.5000

# Monochromacy



## Original Color

42.4600, 73.1230, 34.9390

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

42.1500, 26.3610, 12.3530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.4600, 73.1230, 34.9390 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(134, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 21)  
}
```

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(134, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 21) }
```

## Border

The CSS property to change the border of an element to YIQ 42.4600, 73.1230, 34.9390 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(134, 0, 21) }
```



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

```
.border{ border-color:rgb(134, 0, 21) }
```

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

Here you see how a box with a 4 pixel rgb(134, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(134, 0, 21)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 42.4600, 73.1230, 34.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 21) }
```

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

```
.background{ background-color: rgb(134, 0,  
21) }
```

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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