

Converting Colors

YIQ(44.6400, 11.6830, 47.0990)

Have a look what the booklet for
YIQ(44.6400, 11.6830, 47.0990)
contains.

YIQ(44.6400, 11.6830, 47.0990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(44.6400, 11.6830,
47.0990)**

Conversions

Conversions Part 1

Format	Color
Hex	550B70
RGB	85, 11, 112
RGB Percent	33%, 4%, 44%
CMY	0.6664, 0.9570, 0.5608
CMYK	0.24, 0.90, 0.00, 0.56
HSL	284°, 82%, 24%
HSV	284°, 90%, 44%
XYZ	6.7953, 3.3425, 15.6139
YIQ	44.6400, 11.6830, 47.0990

Conversions

Conversions Part 2

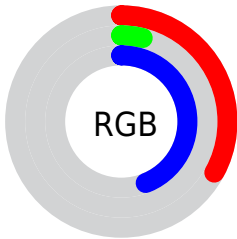
Format	Color
R_{YB}	85, 11, 112
Decimal	5573488
CIE _{Lab}	21.37, 46.46, -40.26
CIE _{LCh}	21, 61.476, 319.089
Yxy	3.3425, 0.2639, 0.1298
Android (android.graphics.Color)	4283763568 (0xFF550B70)
YUV	44.6400, 33.2085, 35.3957
Hunter-Lab	18.2824, 34.3521, -37.8383

Details

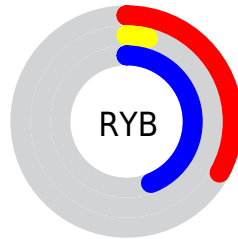
The YIQ color **44.6400, 11.6830, 47.0990** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **78.3600, -11.6830, -47.0990**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.4010, 10.8580, 45.5300**, and **18.2450, 1.8290, 27.4370** is the 20% darker color. If you saturate the color by 10%, you get **37.2860, 12.9200, 52.2160**, and if you desaturate by 10%, it is **51.9940, 10.4460, 41.9820**.

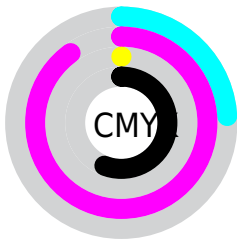
Distribution



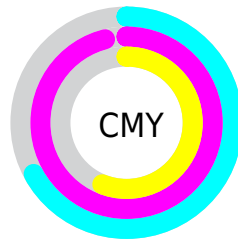
- Red (33%)
- Green (4%)
- Blue (44%)



- Red (33%)
- Yellow (4%)
- Blue (44%)



- Cyan (24%)
- Magenta (90%)
- Yellow (0%)
- Black (56%)



- Cyan (67%)
- Magenta (96%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 44.6400, 11.6830, 47.0990 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 44.6400, 11.6830, 47.0990 by changing the saturation by 10% instead.

44.6400, 11.6830,
47.0990

44.6400, 11.6830,
47.0990

255.0000, -0.0000,
-0.0000

27.5590, 7.2370,
39.5650

99.4010, 10.8580,
45.5300

18.2450, 1.8290,
27.4370

125.5260, 12.0040,
46.7880

4.5600, -12.8400,
12.4400

152.3520, 12.5540,
47.8340

2.6390, -6.0530,
5.0750


180.1780, 13.1040,
48.8800


0.0000, 0.0000,
0.0000


205.3820, 21.0370,
42.7730


222.7150, 15.1250,


28.7650

 239.7380, 7.1500,
13.5980

 44.6400, 11.6830,
47.0990

 44.6400, 11.6830,
47.0990

 37.2860, 12.9200,
52.2160

 51.9940, 10.4460,
41.9820

 59.3480, 9.2090,
36.8650

 67.2890, 7.6970,
31.2250

 74.6430, 6.4600,
26.1080

 81.9970, 5.2230,
20.9910

■ 89.3510, 3.9860,
15.8740

■ 96.7050, 2.7490,
10.7570

■ 104.6460, 1.2370,
5.1170

■ 112.0000, -0.0000,
0.0000

Harmonies

Analogous

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



44.1360, -58.1400, 18.4360



44.6400, 11.6830, 47.0990



43.8600, 49.0500, 47.2100

Triad

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



44.6400, 11.6830, 47.0990



49.1500, 34.3880, -6.4760



49.0360, -44.3800, -10.6840

Complementary

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



44.6400, 11.6830, 47.0990



78.3600, -11.6830, -47.0990

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.



42.9770, -28.6970, -25.0890



44.6400, 11.6830, 47.0990



44.8100, 5.5060, -22.7020

Square

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



44.6400, 11.6830, 47.0990



37.5750, 61.8930, 18.1890



37.5680, -17.6000, -33.4720



53.7100, -57.5410, 2.0670

Rectangle

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



44.6400, 11.6830, 47.0990



41.9350, 61.6600, 38.9400



37.5680, -17.6000, -33.4720



47.3260, -39.5650, -15.3490

Sweetspot

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



44.6400, 11.6830, 47.0990



119.1170, 4.7650, 18.2770



38.3630, -39.8460, 17.2900



58.1180, 3.0240, 11.2800



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



44.6400, 11.6830, 47.0990



48.5230, 17.2270, 67.7790



49.9770, 35.4790, 45.3590



52.1790, 1.0540, 2.9260



39.9920, 13.9280, 55.9760



82.2770, 28.5890, 115.1890

Inverse Universe

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



44.2770, 51.5290, 29.8090



47.8010, 73.9010, 42.8690



73.0230, -35.4790, -45.3590



52.0220, 2.9340, 1.8940



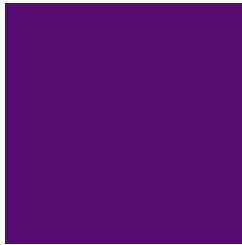
39.5280, 61.2480, 35.3920



81.3770, 126.0260, 72.8900

Previews

White Background



This preview shows how the YIQ color 44.6400, 11.6830, 47.0990 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

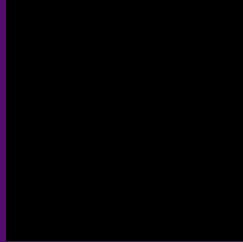
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 44.6400, 11.6830, 47.0990

Background



This preview shows how black text looks on a background with the YIQ color 44.6400, 11.6830, 47.0990.



This preview shows how white text looks on a background with the YIQ color 44.6400, 11.6830,

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

44.6400, 11.6830, 47.0990

Protanopia

42.9500, -49.2890, 6.7030

Deuteranopia

43.1150, -45.6200, 0.7800



Tritanopia

54.3120, 16.9170, 7.2930

Trichromacy



Original Color

44.6400, 11.6830, 47.0990

Protanomaly

43.5280, -27.0090, 21.4310

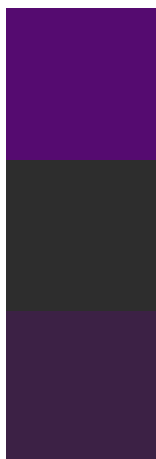
Deuteranomaly

43.6760, -24.6700, 17.5860

Tritanomaly

51.0860, 15.2180, 21.5700

Monochromacy



Original Color

44.6400, 11.6830, 47.0990

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.1770, 4.5360, 16.9200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 44.6400, 11.6830, 47.0990 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(85, 11, 112)` looks like.

```
.text, #text, p{  
    color:rgb(85, 11, 112)  
}
```

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(85, 11, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 11, 112) }
```

Border

The CSS property to change the border of an element to YIQ 44.6400, 11.6830, 47.0990 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(85, 11, 112) }
```


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

```
.border{ border-color:rgb(85, 11, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 11, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 11, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 11, 112);  
box-shadow:4px 4px 4px 4px rgb(85, 11,  
112) }
```

Background

The CSS property to change the background color of an element to YIQ 44.6400, 11.6830, 47.0990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 11, 112) }
```

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

```
.background{ background-color: rgb(85, 11,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor