

# Converting Colors

YIQ(47.7570, 24.4750, 46.5470)

Have a look what the booklet for  
YIQ(47.7570, 24.4750, 46.5470)  
contains.

<b>YIQ(47.7570, 24.4750, 46.5470)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(47.7570, 24.4750,  
46.5470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640B64
RGB	100, 11, 100
RGB Percent	39%, 4%, 39%
CMY	0.6076, 0.9570, 0.6078
CMYK	0.00, 0.89, 0.00, 0.61
HSL	300°, 80%, 22%
HSV	300°, 89%, 39%
XYZ	7.6829, 3.8719, 12.4008
YIQ	47.7570, 24.4750, 46.5470

# Conversions

## Conversions Part 2

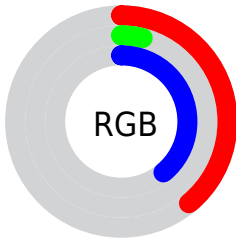
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 11, 100
Decimal	6556516
CIELab	23.24, 47.04, -29.28
CIELCh	23, 55.407, 328.094
Yxy	3.8719, 0.3207, 0.1616
Android (android.graphics.Color)	4284746596 (0xFF640B64)
YUV	47.7570, 25.7558, 45.8171
Hunter-Lab	19.6773, 35.2595, -23.5912

# Details

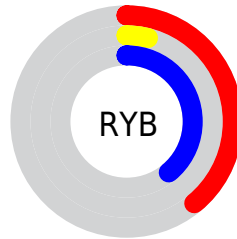
The YIQ color **47.7570, 24.4750, 46.5470** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **63.2430, -24.4750, -46.5470**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.7630, 24.3380, 43.5220**, and **20.9920, 12.7870, 27.0830** is the 20% darker color. If you saturate the color by 10%, you get **41.8870, 27.2250, 51.7770**, and if you desaturate by 10%, it is **53.6270, 21.7250, 41.3170**.

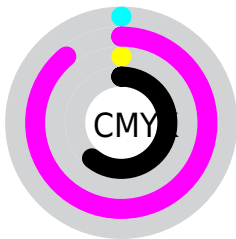
# Distribution



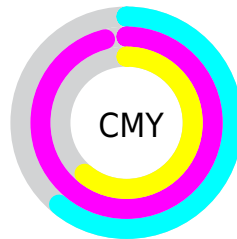
- Red (39%)
- Green (4%)
- Blue (39%)



- Red (39%)
- Yellow (4%)
- Blue (39%)



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (61%)



- Cyan (61%)
- Magenta (96%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.7570, 24.4750, 46.5470 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 47.7570, 24.4750, 46.5470 by changing the saturation by 10% instead.



47.7570, 24.4750,  
46.5470

47.7570, 24.4750,  
46.5470

255.0000, -0.0000,  
-0.0000

30.7900, 19.7080,  
39.3240

103.7630, 24.3380,  
43.5220

20.9920, 12.7870,  
27.0830

130.4750, 25.2090,  
44.2570

10.1120, 3.1610,  
14.3050

157.3010, 25.7590,  
45.3030

0.1140, -0.3210,  
0.3110


185.0130, 26.6300,  
46.0380


0.0000, 0.0000,  
0.0000


208.6270, 21.7250,  
41.3170


225.0630, 14.0250,


26.6730


 241.4990, 6.3250,  
12.0290


 47.7570, 24.4750,  
46.5470


 47.7570, 24.4750,  
46.5470


 41.8870, 27.2250,  
51.7770


 53.6270, 21.7250,  
41.3170

 41.3000, 27.5000,  
52.3000

 59.4970, 18.9750,  
36.0870

 65.3670, 16.2250,  
30.8570

 71.2370, 13.4750,  
25.6270

 77.1070, 10.7250,  
20.3970

■ 82.9770, 7.9750,  
15.1670

■ 88.8470, 5.2250,  
9.9370

■ 94.7170, 2.4750,  
4.7070

■ 100.5870, -0.2750,  
-0.5230

# Harmonies

## Analogous

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



51.7000, -33.2450, 24.3150



47.7570, 24.4750, 46.5470



43.6170, 54.0480, 44.7360

# Triad

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



47.7570, 24.4750, 46.5470



52.3400, 27.7410, -12.6670



52.9800, -49.9740, -8.4220

# Complementary

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



47.7570, 24.4750, 46.5470



63.2430, -24.4750, -46.5470

# 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.



47.6050, -36.2170, -20.9610



47.7570, 24.4750, 46.5470



46.2390, -0.3160, -27.3240

# Square

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



47.7570, 24.4750, 46.5470



49.8690, 51.7170, 4.3650



40.8450, -19.9380, -35.1540



55.4540, -59.6960, 2.5760



# Rectangle

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



47.7570, 24.4750, 46.5470



40.8380, 63.3110, 36.5510



40.8450, -19.9380, -35.1540



51.3840, -45.4800, -12.7760

# Sweetspot

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



47.7570, 24.4750, 46.5470



109.4550, 9.6250, 18.3050



21.1460, -28.5690, 27.6790



53.6730, 5.7750, 10.9830



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



47.7570, 24.4750, 46.5470



53.6900, 35.7500, 67.9900



42.7410, 38.5990, 32.8630



48.0650, 1.3750, 2.6150



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660



# Inverse Universe

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



47.7570, 24.4750, 46.5470



53.6900, 35.7500, 67.9900



68.3730, -38.9200, -32.5520



48.0650, 1.3750, 2.6150



47.4950, 31.6250, 60.1450

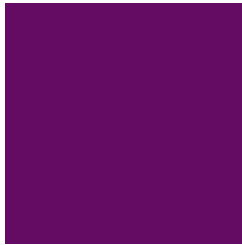


99.9460, 66.5500, 126.5660



# Previews

## White Background



This preview shows how the YIQ color 47.7570, 24.4750, 46.5470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

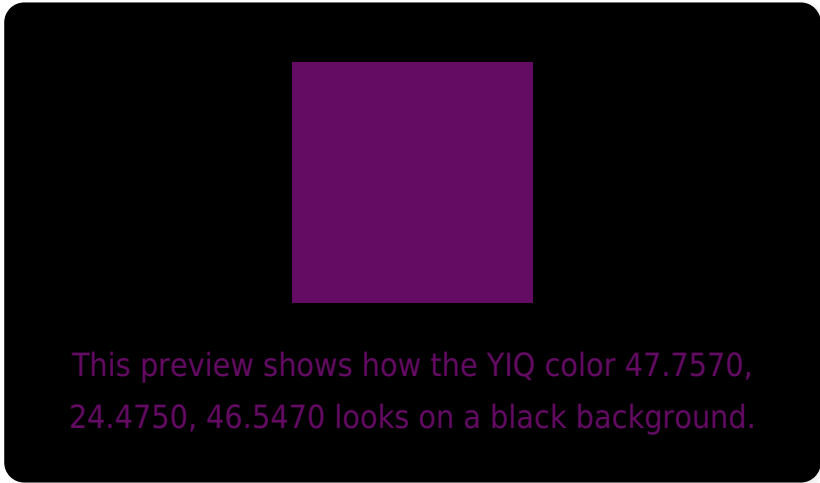
Any Text WCAG AA ✓ Pass

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

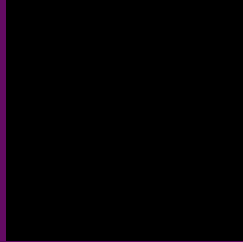
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 47.7570, 24.4750, 46.5470

## Background



This preview shows how black text looks on a background with the YIQ color 47.7570, 24.4750, 46.5470.



This preview shows how white text looks on a background with the YIQ color 47.7570, 24.4750,



# 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

47.7570, 24.4750, 46.5470

### Protanopia

46.3240, -53.2780, 7.4100

### Deuteranopia

55.5260, -24.6680, 6.5320



## Tritanopia

56.4880, 31.2210, 12.3810

# Trichromacy



## Original Color

47.7570, 24.4750, 46.5470

## Protanomaly

46.8980, -25.1750, 21.2330

## Deuteranomaly

52.6520, -6.9270, 20.9210

## Tritanomaly

53.0230, 28.6970, 25.0890

# Monochromacy



## Original Color

47.7570, 24.4750, 46.5470

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

48.2160, 8.8000, 16.7360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.7570, 24.4750, 46.5470 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(100, 11, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 11, 100)  
}
```

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(100, 11, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 11, 100) }
```

## Border

The CSS property to change the border of an element to YIQ 47.7570, 24.4750, 46.5470 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(100, 11, 100) }
```



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

```
.border{ border-color:rgb(100, 11, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 11, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 11, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 11, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 11,  
100) }
```

# Background

The CSS property to change the background color of an element to YIQ 47.7570, 24.4750, 46.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 11, 100) }
```

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

```
.background{ background-color: rgb(100, 11,  
100) }
```

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