

# Converting Colors

YIQ(41.5570, 9.5780, 24.6660)

Have a look what the booklet for  
YIQ(41.5570, 9.5780, 24.6660)  
contains.

<b>YIQ(41.5570, 9.5780, 24.6660)</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(41.5570, 9.5780,  
24.6660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	421749
RGB	66, 23, 73
RGB Percent	26%, 9%, 29%
CMY	0.7410, 0.9099, 0.7137
CMYK	0.10, 0.69, 0.00, 0.71
HSL	292°, 52%, 19%
HSV	292°, 69%, 29%
XYZ	3.7577, 2.2525, 6.5400
YIQ	41.5570, 9.5780, 24.6660

# Conversions

## Conversions Part 2

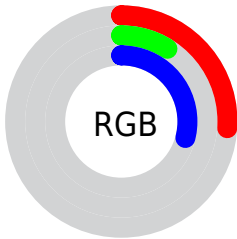
Format	Color
R <sub>Y</sub> B	66, 23, 73
Decimal	4331337
CIE Lab	16.76, 29.12, -21.84
CIE LCh	17, 36.404, 323.131
Yxy	2.2525, 0.2994, 0.1795
Android (android.graphics.Color)	4282521417 (0xFF421749)
YUV	41.5570, 15.5014, 21.4365
Hunter-Lab	15.0085, 18.4264, -15.3300

# Details

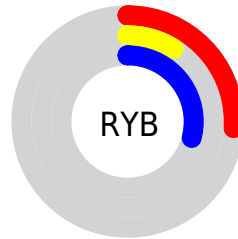
The YIQ color **41.5570, 9.5780, 24.6660** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **54.4430, -9.5780, -24.6660**, and the grayscale version is **41.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **89.0950, 10.9990, 26.4470**, and **8.6880, 1.4190, 12.8350** is the 20% darker color. If you saturate the color by 10%, you get **37.1490, 10.9070, 28.1150**, and if you desaturate by 10%, it is **45.9650, 8.2490, 21.2170**.

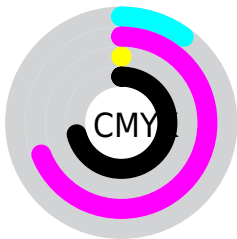
# Distribution



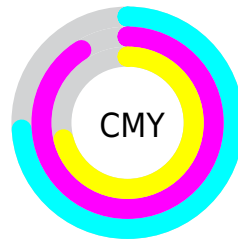
- Red (26%)
- Green (9%)
- Blue (29%)



- Red (26%)
- Yellow (9%)
- Blue (29%)



- Cyan (10%)
- Magenta (69%)
- Yellow (0%)
- Black (71%)



- Cyan (74%)
- Magenta (91%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 41.5570, 9.5780, 24.6660 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 41.5570, 9.5780, 24.6660 by changing the saturation by 10% instead.



41.5570, 9.5780,  
24.6660

41.5570, 9.5780,  
24.6660

255.0000, -0.0000,  
-0.0000

19.1440, 9.3030,  
24.1430

89.0950, 10.9990,  
26.4470

8.6880, 1.4190,  
12.8350

114.5080, 11.2740,  
26.9700

0.0000, 0.0000,  
0.0000

140.3340, 11.8240,  
28.0160

166.7470, 12.0990,  
28.5390

194.4590, 12.9700,  
29.2740

221.8290, 14.8040,

29.0760

239.1510, 7.4250,  
14.1210

41.5570, 9.5780,  
24.6660

41.5570, 9.5780,  
24.6660

37.1490, 10.9070,  
28.1150

45.9650, 8.2490,  
21.2170

32.1540, 12.5110,  
32.0870

50.9600, 6.6450,  
17.2450

27.7460, 13.8400,  
35.5360

55.3680, 5.3160,  
13.7960

27.1590, 14.1150,  
36.0590

59.7760, 3.9870,  
10.3470

64.1840, 2.6580,  
6.8980

■ 69.1790, 1.0540,  
2.9260

■ 73.5870, -0.2750,  
-0.5230

■ 77.9950, -1.6040,  
-3.9720

■ 82.9900, -3.2080,  
-7.9440

# Harmonies

## Analogous

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



38.8560, -25.3570, 13.5150



41.5570, 9.5780, 24.6660



35.0990, 31.5390, 28.6510

# Triad

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



41.5570, 9.5780, 24.6660



39.3490, 23.5220, -7.7900



38.0650, -34.1560, -8.7480

# Complementary

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



41.5570, 9.5780, 24.6660



54.4430, -9.5780, -24.6660

# 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.



34.4000, -25.2140, -16.6220



41.5570, 9.5780, 24.6660



37.1680, 7.6140, -16.8500

# Square

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



41.5570, 9.5780, 24.6660



37.9860, 38.1460, 2.5140



29.8060, -15.0340, -24.9060



39.3990, -40.6680, -0.8600



# Rectangle

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



41.5570, 9.5780, 24.6660



33.3570, 39.3800, 24.2120



29.8060, -15.0340, -24.9060



37.0390, -31.2670, -11.5470

# Sweetspot

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



41.5570, 9.5780, 24.6660



82.2490, 4.0330, 9.5130



32.8090, -17.9750, 11.8890



40.6570, 2.7040, 6.0640



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



41.5570, 9.5780, 24.6660



45.8110, 15.2150, 38.1510



41.5980, 19.5280, 20.5520



33.3530, 0.5040, 1.8800



37.0000, 19.4770, 49.0210



84.1830, 43.3530, 111.9370



# Inverse Universe

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



38.7480, 27.5530, 12.7770



41.2770, 42.3610, 19.7450



54.2880, -19.2070, -20.8630



33.3100, 2.0630, 1.1590



31.1970, 54.5100, 25.3420

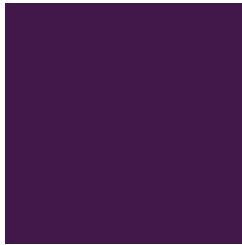


71.5210, 125.0200, 58.0760



# Previews

## White Background



This preview shows how the YIQ color 41.5570, 9.5780, 24.6660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

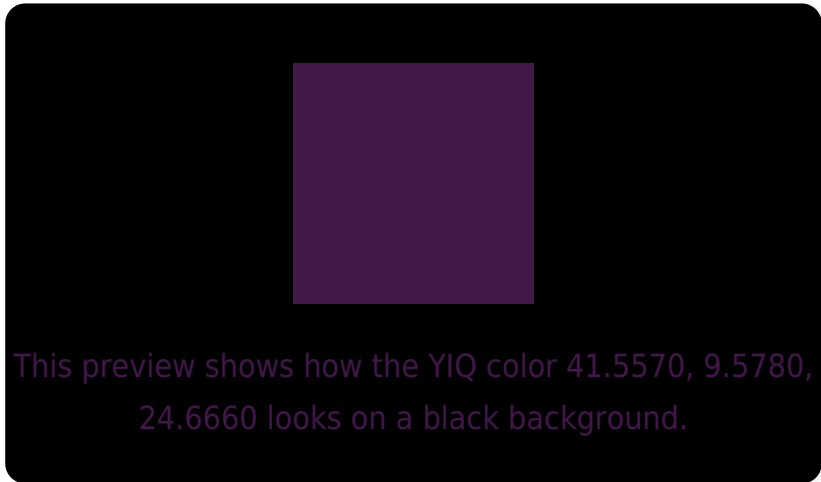
Any Text WCAG AA ✓ Pass

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

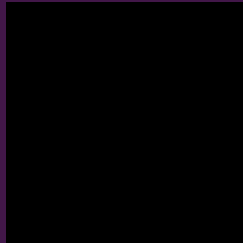
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 41.5570, 9.5780, 24.6660**

## **Background**



This preview shows how black text looks on a background with the YIQ color 41.5570, 9.5780, 24.6660.



This preview shows how white text looks on a background with the YIQ color 41.5570, 9.5780,



# 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

41.5570, 9.5780, 24.6660

### Protanopia

33.9850, -39.2020, 5.6140

### Deuteranopia

40.9950, -18.7990, 4.7930



## Tritanopia

43.0020, 14.8540, 6.1340

# Trichromacy



## Original Color

41.5570, 9.5780, 24.6660

## Protanomaly

36.4820, -21.3680, 12.8080

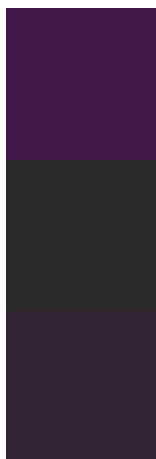
## Deuteranomaly

41.4850, -8.2550, 11.9450

## Tritanomaly

42.7340, 12.9730, 12.6930

# Monochromacy



## Original Color

41.5570, 9.5780, 24.6660

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

41.8360, 3.7580, 8.9900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 41.5570, 9.5780, 24.6660 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(66, 23, 73)` looks like.

```
.text, #text, p{  
    color:rgb(66, 23, 73)  
}
```

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(66, 23, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 23, 73) }
```

## Border

The CSS property to change the border of an element to YIQ 41.5570, 9.5780, 24.6660 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(66, 23, 73) }
```



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

```
.border{ border-color:rgb(66, 23, 73) }
```

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

Here you see how a box with a 4 pixel rgb(66, 23, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 23, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 23, 73);  
box-shadow:4px 4px 4px 4px rgb(66, 23, 73)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 41.5570, 9.5780, 24.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 23, 73) }
```

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

```
.background{ background-color: rgb(66, 23,  
73) }
```

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