

# Converting Colors

YIQ(87.7530, -23.5690, 14.1510)

Have a look what the booklet for  
YIQ(87.7530, -23.5690, 14.1510)  
contains.

<b>YIQ(87.7530, -23.5690, 14.1510)</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(87.7530, -23.5690,  
14.1510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A558A
RGB	74, 85, 138
RGB Percent	29%, 33%, 54%
CMY	0.7098, 0.6666, 0.4590
CMYK	0.46, 0.38, 0.00, 0.46
HSL	230°, 30%, 42%
HSV	230°, 46%, 54%
XYZ	10.6580, 9.7876, 25.3592
YIQ	87.7530, -23.5690, 14.1510

# Conversions

## Conversions Part 2

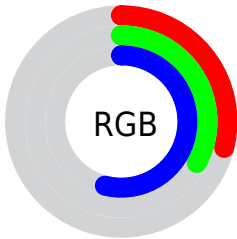
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 83, 138
Decimal	4871562
CIE <sub>Lab</sub>	37.46, 10.69, -30.88
CIE <sub>LCh</sub>	37, 32.678, 289.086
Yxy	9.7876, 0.2327, 0.2137
Android (android.graphics.Color)	4283061642 (0xFF4A558A)
YUV	87.7530, 24.7718, -12.0614
Hunter-Lab	31.2852, 6.0609, -26.1597

# Details

The YIQ color **87.7530, -23.5690, 14.1510** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **124.2470, 23.5690, -14.1510**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.2200, -23.3860, 16.3420**, and **39.7910, -26.7320, 10.9000** is the 20% darker color. If you saturate the color by 10%, you get **77.1100, -28.8880, 16.9360**, and if you desaturate by 10%, it is **98.3960, -18.2500, 11.3660**.

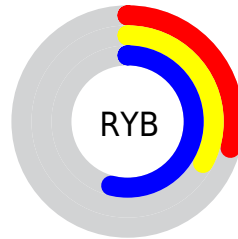
# Distribution



Red (29%)

Green (33%)

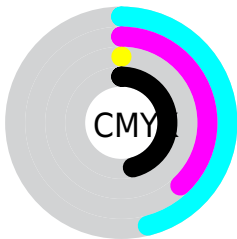
Blue (54%)



Red (29%)

Yellow (33%)

Blue (54%)

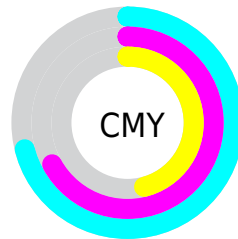


Cyan (46%)

Magenta (38%)

Yellow (0%)

Black (46%)



Cyan (71%)

Magenta (67%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.7530, -23.5690, 14.1510 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 87.7530, -23.5690, 14.1510 by changing the saturation by 10% instead.



■ 87.7530, -23.5690,  
14.1510

■ 87.7530, -23.5690,  
14.1510

■ 255.0000, -0.0000,  
-0.0000

■ 63.5140, -24.3940,  
12.5820

■ 138.2200,  
-23.3860, 16.3420

■ 39.7910, -26.7320,  
10.9000

■ 165.3340,  
-23.7070, 16.6530

■ 19.0360, -26.0440,  
9.4440

■ 192.4480,  
-24.0280, 16.9640

■ 6.5490, -14.3070,  
11.4930

■ 217.4670,  
-17.0120, 10.9560

■ 2.8670, -6.6950,  
5.6970

■ 243.1610, -7.7030,  
1.9370

■ 0.0000, 0.0000,  
0.0000

87.7530, -23.5690,  
14.1510

87.7530, -23.5690,  
14.1510

77.1100, -28.8880,  
16.9360

98.3960, -18.2500,  
11.3660

65.8800, -33.9320,  
20.2440

109.6260,  
-13.2060, 8.0580

55.5360, -38.6550,  
23.2410

119.9700, -8.4830,  
5.0610

44.3060, -43.6990,  
26.5490

131.2000, -3.4390,  
1.7530

33.6630, -49.0180,  
29.3340

141.8430, 1.8800,  
-1.0320

29.8200, -50.8980,  
30.3660

153.0730, 6.9240,  
-4.3400

163.7160, 12.2430,  
-7.1250

174.0600, 16.9660,

-10.1220

■ 185.2900, 22.0100,  
-13.4300

# Harmonies

## Analogous

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



71.1380, -70.7900, -5.6220



87.7530, -23.5690, 14.1510



91.2360, 6.0480, 22.5600

# Triad

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



87.7530, -23.5690, 14.1510



87.8940, 41.4010, 4.0970



68.0650, -52.4920, -28.8760

# Complementary

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



87.7530, -23.5690, 14.1510



124.2470, 23.5690, -14.1510

# 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.



80.1980, -10.2660, -23.2100



87.7530, -23.5690, 14.1510



86.1990, 32.6920, -8.7800

# Square

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



87.7530, -23.5690, 14.1510



88.2120, 40.9860, 17.1300



84.1210, 14.9960, -18.4760



71.2570, -61.4800, -20.1680



# Rectangle

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



87.7530, -23.5690, 14.1510



90.7880, 22.0490, 24.4250



84.1210, 14.9960, -18.4760



74.5250, -33.2360, -25.4280

# Sweetspot

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



87.7530, -23.5690, 14.1510



159.1980, -9.1250, 5.6830



117.4960, -34.2920, -17.3000



77.4710, -5.6400, 3.0960



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



87.7530, -23.5690, 14.1510



100.3790, -36.7750, 22.2090



87.2760, -8.6240, 24.1440



63.3850, -2.5220, 1.6540



28.6630, -49.0180, 29.3340



1.1570, -1.8800, 1.0320



# Inverse Universe

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



94.3900, 34.6130, 16.9890



110.8380, 54.1430, 26.4870



124.7240, 8.6240, -24.1440



64.2070, 3.8510, 1.7950



42.3890, 71.8850, 35.3490



1.6090, 2.6590, 1.3710



# Previews

## White Background



This preview shows how the YIQ color 87.7530, -23.5690, 14.1510 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



This preview shows how the YIQ color 87.7530, -23.5690, 14.1510 looks on a 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 87.7530, -23.5690, 14.1510

## Background



This preview shows how black text looks on a background with the YIQ color 87.7530, -23.5690, 14.1510.



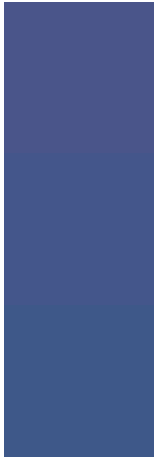
This preview shows how white text looks on a background with the YIQ color 87.7530, -23.5690,



# 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

87.7530, -23.5690, 14.1510

### Protanopia

86.6600, -27.7410, 12.6670

### Deuteranopia

85.8120, -31.2250, 9.7270



## Tritanopia

84.8280, -20.1270, -4.1830

# Trichromacy



## Original Color

87.7530, -23.5690, 14.1510

## Protanomaly

87.2580, -26.5490, 13.0910

## Deuteranomaly

86.4210, -28.5660, 11.0980

## Tritanomaly

85.8590, -21.4120, 2.5880

# Monochromacy



## Original Color

87.7530, -23.5690, 14.1510

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.9700, -8.4830, 5.0610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.7530, -23.5690, 14.1510 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(74, 85, 138)` looks like.

```
.text, #text, p{  
    color:rgb(74, 85, 138)  
}
```

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(74, 85, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 85, 138) }
```

## Border

The CSS property to change the border of an element to YIQ 87.7530, -23.5690, 14.1510 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(74, 85, 138) }
```



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

```
.border{ border-color:rgb(74, 85, 138) }
```

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

Here you see how a box with a 4 pixel rgb(74, 85, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 85, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 85, 138);  
box-shadow:4px 4px 4px 4px rgb(74, 85,  
138) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.7530, -23.5690, 14.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 85, 138) }
```

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

```
.background{ background-color: rgb(74, 85,  
138) }
```

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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