

# Converting Colors

YIQ(84.3010, -28.1080, 13.8120)

Have a look what the booklet for  
YIQ(84.3010, -28.1080, 13.8120)  
contains.

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# Color

**YIQ(84.3010, -28.1080,  
13.8120)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42538B
RGB	66, 83, 139
RGB Percent	26%, 33%, 55%
CMY	0.7412, 0.6745, 0.4551
CMYK	0.53, 0.40, 0.00, 0.46
HSL	226°, 36%, 40%
HSV	226°, 53%, 54%
XYZ	9.9978, 9.2088, 25.6615
YIQ	84.3010, -28.1080, 13.8120

# Conversions

## Conversions Part 2

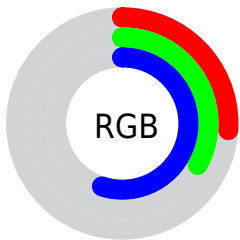
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	66, 80, 139
Decimal	4346763
CIE Lab	36.38, 10.24, -33.22
CIE LCh	36, 34.764, 287.124
Yxy	9.2088, 0.2228, 0.2052
Android (android.graphics.Color)	4282536843 (0xFF42538B)
YUV	84.3010, 26.9666, -16.0500
Hunter-Lab	30.3459, 5.7034, -28.8954

# Details

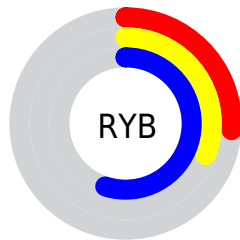
The YIQ color **84.3010, -28.1080, 13.8120** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **120.6990, 28.1080, -13.8120**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.0670, -27.3290, 16.2150**, and **34.4200, -35.9930, 8.0310** is the 20% darker color. If you saturate the color by 10%, you get **73.6580, -33.4270, 16.5970**, and if you desaturate by 10%, it is **94.9440, -22.7890, 11.0270**.

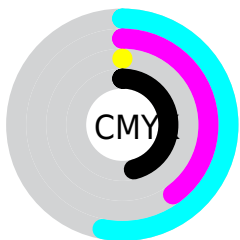
# Distribution



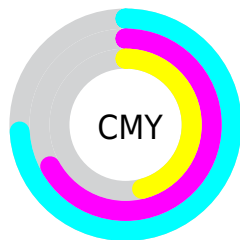
- Red (26%)
- Green (33%)
- Blue (55%)



- Red (26%)
- Yellow (31%)
- Blue (55%)



- Cyan (53%)
- Magenta (40%)
- Yellow (0%)
- Black (46%)



- Cyan (74%)
- Magenta (67%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.3010, -28.1080, 13.8120 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 84.3010, -28.1080, 13.8120 by changing the saturation by 10% instead.



■ 84.3010, -28.1080,  
13.8120

■ 84.3010, -28.1080,  
13.8120

■ 255.0000, -0.0000,  
-0.0000

■ 59.7630, -29.5290,  
12.0310

■ 135.0670,  
-27.3290, 16.2150

■ 34.4200, -35.9930,  
8.0310

■ 161.5940,  
-27.3750, 17.0490

■ 18.5630, -26.0900,  
10.2780

■ 188.8220,  
-28.0170, 17.6710

■ 6.5490, -14.3070,  
11.4930

■ 214.2000,  
-20.6340, 10.5180

■ 2.8670, -6.6950,  
5.6970

■ 239.3070,  
-11.0500, 2.0220

■ 0.0000, 0.0000,  
0.0000

■ 84.3010, -28.1080,  
13.8120

■ 84.3010, -28.1080,  
13.8120

■ 73.6580, -33.4270,  
16.5970

■ 94.9440, -22.7890,  
11.0270

■ 63.6020, -39.0210,  
18.8590

■ 105.0000,  
-17.1950, 8.7650

■ 52.9590, -44.3400,  
21.6440

■ 115.6430,  
-11.8760, 5.9800

■ 42.3160, -49.6590,  
24.4290

■ 126.2860, -6.5570,  
3.1950

■ 34.6300, -53.4190,  
26.4930

■ 136.0430, -1.5590,  
0.7210

■ 146.6860, 3.7600,  
-2.0640

■ 157.3290, 9.0790,  
-4.8490

■ 167.3850, 14.6730,

-7.1110

■ 178.0280, 19.9920,  
-9.8960

# Harmonies

## Analogous

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



69.9640, -70.2400, -4.5760



84.3010, -28.1080, 13.8120



88.6920, 4.7640, 23.8040

# Triad

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



84.3010, -28.1080, 13.8120



84.6170, 43.7390, 5.7790



66.3210, -50.3370, -29.3850

# Complementary

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



84.3010, -28.1080, 13.8120



120.6990, 28.1080, -13.8120

# 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.



77.1550, -8.7070, -23.9310



84.3010, -28.1080, 13.8120



83.4550, 34.8470, -9.2890

# Square

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



84.3010, -28.1080, 13.8120



85.4510, 41.8110, 18.6990



81.2630, 17.4720, -19.2960



69.6270, -59.6460, -20.3660



# Rectangle

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



84.3010, -28.1080, 13.8120



87.8420, 21.9570, 26.0930



81.2630, 17.4720, -19.2960



70.6880, -35.2530, -27.4210

# Sweetspot

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



84.3010, -28.1080, 13.8120



159.4150, -11.2340, 5.3580



115.2350, -38.0510, -20.7630



78.4000, -6.8780, 3.5060



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



84.3010, -28.1080, 13.8120



95.8450, -44.0190, 21.3330



80.0030, -12.1090, 26.7310



63.9720, -2.7970, 1.1310



33.3590, -51.2180, 25.1500



1.1570, -1.8800, 1.0320



# Inverse Universe

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



89.7650, 38.0510, 20.7630



104.1640, 59.2770, 32.5650



124.9970, 12.1090, -26.7310



64.3210, 3.5300, 2.1060



43.3010, 69.3170, 37.8370



1.6090, 2.6590, 1.3710



# Previews

## White Background



This preview shows how the YIQ color 84.3010, -28.1080, 13.8120 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 84.3010, -28.1080, 13.8120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

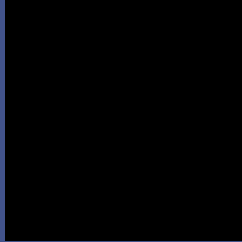
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 84.3010, -28.1080, 13.8120

## Background



This preview shows how black text looks on a background with the YIQ color 84.3010, -28.1080, 13.8120.



This preview shows how white text looks on a background with the YIQ color 84.3010, -28.1080,



# 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

84.3010, -28.1080, 13.8120

### Protanopia

83.9910, -30.1710, 12.6530

### Deuteranopia

82.3600, -35.7640, 9.3880



## Tritanopia

80.8380, -26.0870, -6.3030

# Trichromacy



## Original Color

84.3010, -28.1080, 13.8120

## Protanomaly

84.2900, -29.5750, 12.8650

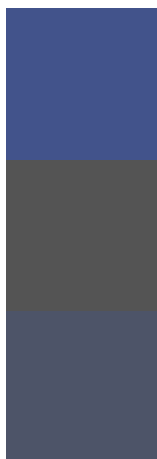
## Deuteranomaly

82.9690, -33.1050, 10.7590

## Tritanomaly

82.2820, -27.0970, 0.9910

# Monochromacy



## Original Color

84.3010, -28.1080, 13.8120

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

84.1870, -10.5920, 4.7360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.3010, -28.1080, 13.8120 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, 83, 139)` looks like.

```
.text, #text, p{  
    color:rgb(66, 83, 139)  
}
```

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, 83, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 83, 139) }
```

## Border

The CSS property to change the border of an element to YIQ 84.3010, -28.1080, 13.8120 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, 83, 139) }
```



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

```
.border{ border-color:rgb(66, 83, 139) }
```

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

Here you see how a box with a 4 pixel rgb(66, 83, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 83, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 83, 139);  
box-shadow:4px 4px 4px 4px rgb(66, 83,  
139) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.3010, -28.1080, 13.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 83, 139) }
```

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

```
.background{ background-color: rgb(66, 83,  
139) }
```

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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