

# Converting Colors

YIQ(72.0280, -5.2300, 17.6980)

Have a look what the booklet for  
YIQ(72.0280, -5.2300, 17.6980)  
contains.

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# Color

**YIQ(72.0280, -5.2300,  
17.6980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4E3E6C
RGB	78, 62, 108
RGB Percent	31%, 24%, 42%
CMY	0.6940, 0.7569, 0.5765
CMYK	0.28, 0.43, 0.00, 0.58
HSL	261°, 27%, 33%
HSV	261°, 43%, 42%
XYZ	7.5716, 6.1474, 14.9708
YIQ	72.0280, -5.2300, 17.6980

# Conversions

## Conversions Part 2

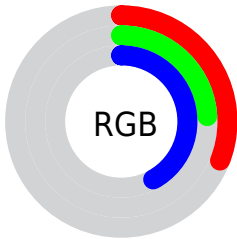
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 62, 108
Decimal	5127788
CIE <sub>Lab</sub>	29.78, 17.81, -24.29
CIE <sub>LCh</sub>	30, 30.120, 306.240
Yxy	6.1474, 0.2639, 0.2143
Android (android.graphics.Color)	4283317868 (0xFF4E3E6C)
YUV	72.0280, 17.7342, 5.2374
Hunter-Lab	24.7939, 11.1211, -18.4443

# Details

The YIQ color  $[72.0280, -5.2300, 17.6980]$  is a dark color, and the websafe version is hex  $333366$ . A complement of this color would be  $[97.9720, 5.2300, -17.6980]$ , and the grayscale version is  $[72.0000, -0.0000, 0.0000]$ .

A 20% lighter version of the original color is  $[121.0820, -5.3220, 19.3660]$ , and  $[27.2620, -6.0090, 15.2950]$  is the 20% darker color. If you saturate the color by 10%, you get  $[63.4780, -6.3770, 21.9670]$ , and if you desaturate by 10%, it is  $[80.5780, -4.0830, 13.4290]$ .

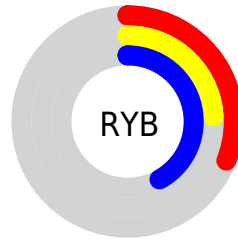
# Distribution



Red (31%)

Green (24%)

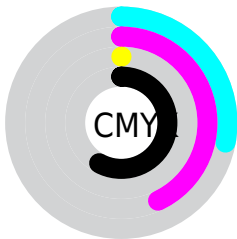
Blue (42%)



Red (31%)

Yellow (24%)

Blue (42%)

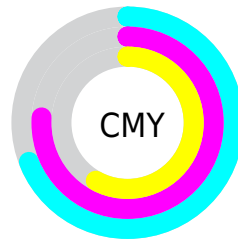


Cyan (28%)

Magenta (43%)

Yellow (0%)

Black (58%)



Cyan (69%)

Magenta (76%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.0280, -5.2300, 17.6980 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 72.0280, -5.2300, 17.6980 by changing the saturation by 10% instead.



■ 72.0280, -5.2300,  
17.6980

■ 72.0280, -5.2300,  
17.6980

■ 255.0000, -0.0000,  
-0.0000

■ 49.2020, -5.7800,  
16.6520

■ 121.0820, -5.3220,  
19.3660

■ 27.2620, -6.0090,  
15.2950

■ 146.9080, -4.7720,  
20.4120

■ 8.3330, -4.7710,  
14.8850

■ 173.4350, -4.8180,  
21.2460

■ 2.2970, -5.0900,  
4.1420

■ 201.4350, -4.8180,  
21.2460

■ 0.0000, 0.0000,  
0.0000

■ 227.0240, 0.5930,  
16.7930

■ 249.1300, 2.7500,

5.2300

■ 72.0280, -5.2300,  
17.6980

■ 72.0280, -5.2300,  
17.6980

■ 63.4780, -6.3770,  
21.9670

■ 80.5780, -4.0830,  
13.4290

■ 54.9280, -7.5240,  
26.2360

■ 89.1280, -2.9360,  
9.1600

■ 46.9650, -8.9460,  
29.9820

■ 97.0910, -1.5140,  
5.4140

■ 38.4150, -10.0930,  
34.2510

■ 105.6410, -0.3670,  
1.1450

■ 29.8650, -11.2400,  
38.5200

■ 114.1910, 0.7800,  
-3.1240

■ 23.6740, -12.0200,  
41.6440

■ 122.7410, 1.9270,  
-7.3930

■ 131.2910, 3.0740,  
-11.6620

■ 139.2540, 4.4960,  
-15.4080

■ 147.8040, 5.6430,  
-19.6770

# Harmonies

## Analogous

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



65.4800, -36.2220, 6.6740



72.0280, -5.2300, 17.6980



72.0540, 18.2440, 21.7960

# Triad

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



72.0280, -5.2300, 17.6980



68.7740, 32.6910, -3.2530



56.5700, -46.3040, -19.8720

# Complementary

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



72.0280, -5.2300, 17.6980



97.9720, 5.2300, -17.6980

# 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.



58.0420, -27.3220, -22.4740



72.0280, -5.2300, 17.6980



67.6920, 20.8180, -13.8540

# Square

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



72.0280, -5.2300, 17.6980



69.9030, 37.1820, 8.9740



64.8790, 1.0580, -19.1820



58.6050, -53.4120, -12.1960



# Rectangle

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



72.0280, -5.2300, 17.6980



70.9750, 28.6520, 20.3960



64.8790, 1.0580, -19.1820



55.6580, -43.7360, -22.3600

# Sweetspot

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



72.0280, -5.2300, 17.6980



125.8460, -2.2020, 6.8700



85.4410, -23.2910, -1.9070



62.4500, -1.1470, 4.2690



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



72.0280, -5.2300, 17.6980



84.5690, -7.8910, 27.3810



78.6060, 7.8820, 22.3620



49.2820, -0.7340, 2.2900



25.5970, -13.1210, 45.0790



53.3450, -27.9850, 94.2150



# Inverse Universe

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



79.1740, 17.7860, 19.0820



95.4730, 27.5500, 29.3580



91.3940, -7.8820, -22.3620



50.2500, 2.2920, 2.5160



43.6470, 45.3360, 48.4400



91.4950, 94.6600, 101.7000



# Previews

## White Background



This preview shows how the YIQ color 72.0280, -5.2300, 17.6980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

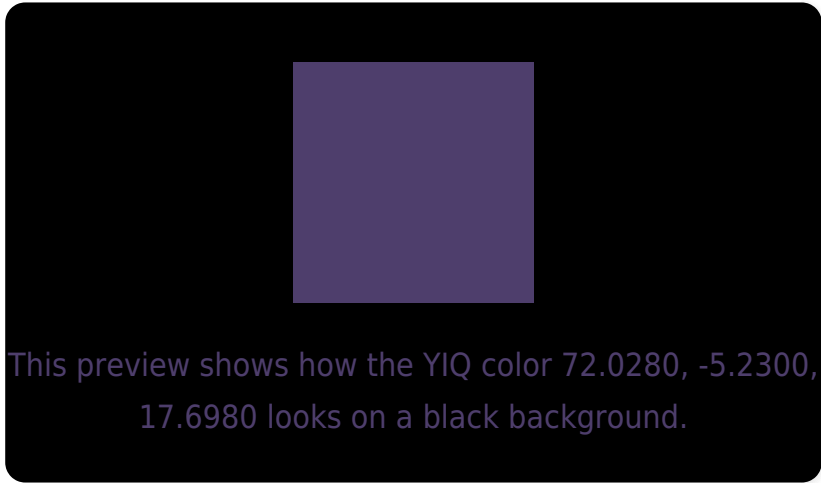
Any Text WCAG AA ✓ Pass

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

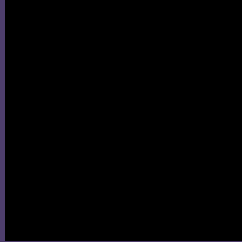
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.0280, -5.2300, 17.6980**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.0280, -5.2300, 17.6980.



This preview shows how white text looks on a background with the YIQ color 72.0280, -5.2300,



# 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

72.0280, -5.2300, 17.6980

### Protanopia

69.3460, -23.9810, 10.6030

### Deuteranopia

69.0210, -21.6880, 7.5920



## Tritanopia

70.5810, -0.1380, 2.5020

# Trichromacy



## Original Color

72.0280, -5.2300, 17.6980

## Protanomaly

70.0480, -17.1500, 13.4580

## Deuteranomaly

70.0650, -15.8200, 11.3800

## Tritanomaly

70.7860, -1.9730, 8.2270

# Monochromacy



## Original Color

72.0280, -5.2300, 17.6980

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

71.7320, -1.8810, 6.5590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.0280, -5.2300, 17.6980 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(78, 62, 108)` looks like.

```
.text, #text, p{  
    color:rgb(78, 62, 108)  
}
```

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(78, 62, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 62, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 72.0280, -5.2300, 17.6980 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(78, 62, 108) }
```



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

```
.border{ border-color:rgb(78, 62, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 62, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 62, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 62, 108);  
box-shadow:4px 4px 4px 4px rgb(78, 62,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.0280, -5.2300, 17.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 62, 108) }
```

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

```
.background{ background-color: rgb(78, 62,  
108) }
```

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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