

# Converting Colors

YIQ(72.5620, -42.6850, -2.8530)

Have a look what the booklet for  
YIQ(72.5620, -42.6850, -2.8530)  
contains.

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# Color

**YIQ(72.5620, -42.6850,  
-2.8530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E5673
RGB	30, 86, 115
RGB Percent	12%, 34%, 45%
CMY	0.8824, 0.6626, 0.5492
CMYK	0.74, 0.25, 0.00, 0.55
HSL	200°, 59%, 28%
HSV	200°, 74%, 45%
XYZ	6.9559, 8.1716, 17.4156
YIQ	72.5620, -42.6850, -2.8530

# Conversions

## Conversions Part 2

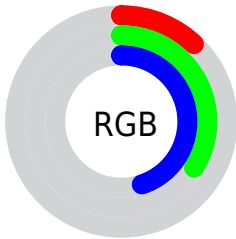
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	30, 64, 115
Decimal	1988211
CIE Lab	34.34, -7.83, -21.78
CIE LCh	34, 23.141, 250.221
Yxy	8.1716, 0.2137, 0.2511
Android (android.graphics.Color)	4280178291 (0xFF1E5673)
YUV	72.5620, 20.9219, -37.3269
Hunter-Lab	28.5860, -6.5905, -16.1112

# Details

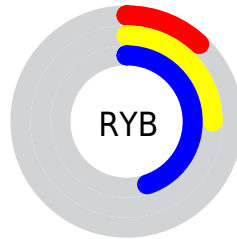
The YIQ color **72.5620, -42.6850, -2.8530** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **72.4380, 42.6850, 2.8530**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **124.5840, -39.7510, -0.9590**, and **31.7050, -32.7820, -0.6060** is the 20% darker color. If you saturate the color by 10%, you get **66.6260, -48.7370, -3.3050**, and if you desaturate by 10%, it is **78.1990, -37.2290, -2.6130**.

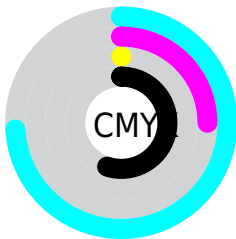
# Distribution



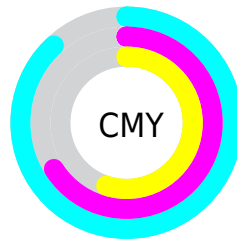
- Red (12%)
- Green (34%)
- Blue (45%)



- Red (12%)
- Yellow (25%)
- Blue (45%)



- Cyan (74%)
- Magenta (25%)
- Yellow (0%)
- Black (55%)



- Cyan (88%)
- Magenta (66%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.5620, -42.6850, -2.8530 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 72.5620, -42.6850, -2.8530 by changing the saturation by 10% instead.



■ 72.5620, -42.6850,  
-2.8530

■ 72.5620, -42.6850,  
-2.8530

■ 255.0000, -0.0000,  
-0.0000

■ 47.2410, -46.2150,  
-4.9590

■ 124.5840,  
-39.7510, -0.9590

■ 31.7050, -32.7820,  
-0.6060

■ 150.9970,  
-39.4760, -0.4360

■ 17.3430, -19.8990,  
2.7010

■ 178.1110,  
-39.7970, -0.1250

■ 3.3230, -7.9790,  
6.9410

■ 206.2250,  
-40.1180, 0.1860

■ 0.0000, 0.0000,  
0.0000

■ 231.4890,  
-32.4140, -7.2780

■ 246.0300,

-17.8800, -6.3600

254.7010, -0.5960,  
-0.2120

■ 72.5620, -42.6850,  
-2.8530

■ 72.5620, -42.6850,  
-2.8530

■ 66.6260, -48.7370,  
-3.3050

■ 78.1990, -37.2290,  
-2.6130

■ 60.9890, -54.1930,  
-3.5450

■ 84.1350, -31.1770,  
-2.1610

■ 57.7220, -57.8150,  
-3.9830

■ 89.7720, -25.7210,  
-1.9210

■ 95.7080, -19.6690,  
-1.4690

■ 101.3450,  
-14.2130, -1.2290

■ 107.2810, -8.1610,  
-0.7770

■ 112.3310, -2.4300,  
-0.0140

■ 118.2670, 3.6220,  
0.4380

■ 123.9040, 9.0780,  
0.6780

# Harmonies

## Analogous

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



64.0990, -57.8590, -14.2030



72.5620, -42.6850, -2.8530



79.4340, -21.4130, 8.1150

# Triad

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



72.5620, -42.6850, -2.8530



81.9760, 26.9110, 13.3990



76.7310, -1.2810, -15.3370

# Complementary

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



72.5620, -42.6850, -2.8530



72.4380, 42.6850, 2.8530

# 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.



79.1630, 15.1780, -10.7580



72.5620, -42.6850, -2.8530



81.2010, 30.3510, 6.1190

# Square

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



72.5620, -42.6850, -2.8530



83.2230, 16.0900, 16.7780



80.0660, 25.9970, -3.0830



73.4390, -20.9500, -16.8060



# Rectangle

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



72.5620, -42.6850, -2.8530



82.1970, -7.3840, 12.6800



80.0660, 25.9970, -3.0830



77.1940, 4.7250, -14.0510

# Sweetspot

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



72.5620, -42.6850, -2.8530



133.6760, -16.6430, -1.2430



83.0870, -32.3630, -35.7470



66.9110, -9.9950, -0.5790



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



72.5620, -42.6850, -2.8530



83.8180, -66.8930, -4.6610



47.9080, -31.1350, 19.1130



56.0320, -3.0260, -0.2260



61.4550, -61.4370, -4.4210



125.3550, -125.6250, -8.5450



# Inverse Universe

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



61.7990, 32.6840, 35.4360



66.7990, 51.0200, 55.5640



97.0920, 31.1350, -19.1130



55.2500, 2.2920, 2.5160



45.7120, 46.7110, 51.0550

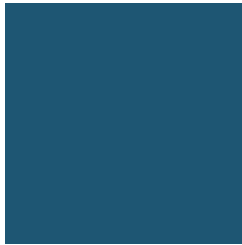


93.5600, 96.0350, 104.3150



# Previews

## White Background



This preview shows how the YIQ color 72.5620, -42.6850, -2.8530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

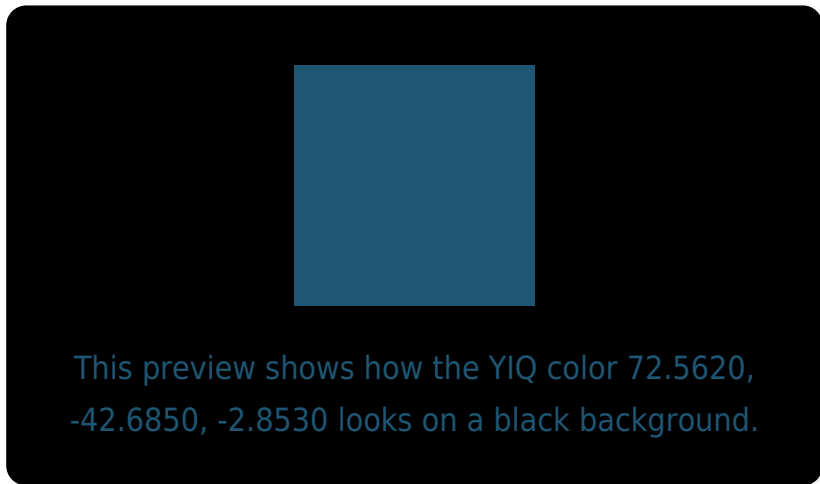
Any Text WCAG AA ✓ Pass

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

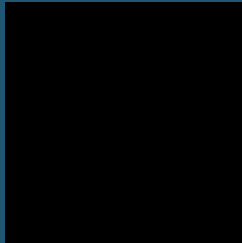
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.5620, -42.6850, -2.8530**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.5620, -42.6850, -2.8530.



This preview shows how white text looks on a background with the YIQ color 72.5620, -42.6850,

-2.8530.

# 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

72.5620, -42.6850, -2.8530

### Protanopia

80.4410, -14.1230, 8.1570

### Deuteranopia

79.9180, -19.9000, 8.2280



## Tritanopia

66.5900, -49.0560, -14.0480

# Trichromacy



## Original Color

72.5620, -42.6850, -2.8530

## Protanomaly

77.9450, -24.5300, 4.0300

## Deuteranomaly

77.2050, -28.1980, 4.4260

## Tritanomaly

68.8940, -46.8560, -9.8640

# Monochromacy



## Original Color

72.5620, -42.6850, -2.8530

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

72.8610, -15.7260, -1.3420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.5620, -42.6850, -2.8530 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(30, 86, 115)` looks like.

```
.text, #text, p{  
    color:rgb(30, 86, 115)  
}
```

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(30, 86, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 86, 115) }
```

## Border

The CSS property to change the border of an element to YIQ 72.5620, -42.6850, -2.8530 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(30, 86, 115) }
```



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

```
.border{ border-color:rgb(30, 86, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 86, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 86, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 86, 115);  
box-shadow:4px 4px 4px 4px rgb(30, 86,  
115) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.5620, -42.6850, -2.8530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 86, 115) }
```

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

```
.background{ background-color: rgb(30, 86,  
115) }
```

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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