

# Converting Colors

YIQ(63.6550, -72.9030, 16.1610)

Have a look what the booklet for  
YIQ(63.6550, -72.9030, 16.1610)  
contains.

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# Color

**YIQ(63.6550, -72.9030,  
16.1610)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0449AC
RGB	4, 73, 172
RGB Percent	2%, 29%, 67%
CMY	0.9843, 0.7136, 0.3259
CMYK	0.98, 0.58, 0.00, 0.33
HSL	215°, 95%, 34%
HSV	215°, 98%, 67%
XYZ	9.8716, 7.7696, 39.9621
YIQ	63.6550, -72.9030, 16.1610

# Conversions

## Conversions Part 2

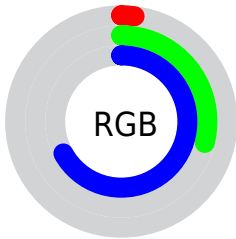
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 53, 172
Decimal	281004
CIELab	33.50, 21.67, -57.85
CIElCh	33, 61.779, 290.538
Yxy	7.7696, 0.1714, 0.1349
Android (android.graphics.Color)	4278471084 (0xFF0449AC)
YUV	63.6550, 53.4141, -52.3174
Hunter-Lab	27.8739, 14.4370, -65.4908

# Details

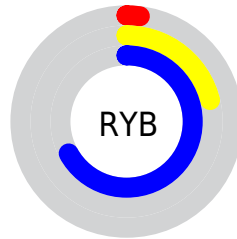
The YIQ color **63.6550, -72.9030, 16.1610** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **112.3450, 72.9030, -16.1610**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.2280, -52.2270, 26.9170**, and **31.7630, -46.7240, 20.7960** is the 20% darker color. If you saturate the color by 10%, you get **61.2850, -74.7370, 16.3590**, and if you desaturate by 10%, it is **74.6080, -65.5210, 14.5350**.

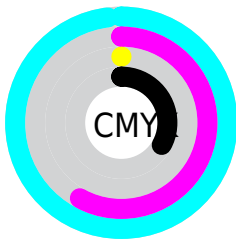
# Distribution



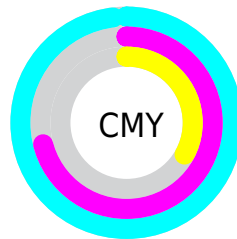
- Red (2%)
- Green (29%)
- Blue (67%)



- Red (2%)
- Yellow (21%)
- Blue (67%)



- Cyan (98%)
- Magenta (58%)
- Yellow (0%)
- Black (33%)



- Cyan (98%)
- Magenta (71%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 63.6550, -72.9030, 16.1610 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 63.6550, -72.9030, 16.1610 by changing the saturation by 10% instead.



■ 63.6550, -72.9030,  
16.1610

■ 63.6550, -72.9030,  
16.1610

■ 255.0000, -0.0000,  
-0.0000

■ 46.4670, -60.5700,  
18.4220

■ 124.2280,  
-52.2270, 26.9170

■ 31.7630, -46.7240,  
20.7960

■ 151.2500,  
-49.2930, 28.8110

■ 15.8850, -32.3280,  
24.2160

■ 176.0690,  
-38.8380, 21.0500

■ 12.5620, -24.3490,  
17.2750

■ 200.5890,  
-28.9790, 13.0770

■ 6.8910, -15.2700,  
12.4260

■ 225.9950,  
-18.7990, 4.7930

■ 3.3230, -7.9790,  
6.9410

■ 250.8140, -8.3440,

■ 0.0000, 0.0000,

-2.9680

0.0000

■ 63.6550, -72.9030,  
16.1610

■ 63.6550, -72.9030,  
16.1610

■ 61.2850, -74.7370,  
16.3590

■ 74.6080, -65.5210,  
14.5350

■ 85.5610, -58.1390,  
12.9090

■ 96.8130, -50.1610,  
11.4950

■ 108.3530,  
-43.0540, 9.3460

■ 119.3060,  
-35.6720, 7.7200

■ 130.2590,  
-28.2900, 6.0940

■ 141.2120,  
-20.9080, 4.4680

■ 152.4640,  
-12.9300, 3.0540

■ 163.4170, -5.5480,  
1.4280

# Harmonies

## Analogous

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



73.0080, -81.5670, 7.9770



63.6550, -72.9030, 16.1610



77.8960, 13.8380, 46.5900

# Triad

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



63.6550, -72.9030, 16.1610



69.7590, 72.5780, 6.2580



64.4800, -46.5310, -32.2830

# Complementary

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



63.6550, -72.9030, 16.1610



112.3450, 72.9030, -16.1610

# 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.



55.1780, -25.8500, -49.1620



63.6550, -72.9030, 16.1610



74.5670, 46.0350, -13.8130

# Square

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



63.6550, -72.9030, 16.1610



54.1980, 80.2730, 48.5370



70.2160, 15.6860, -30.9860



70.8810, -63.1770, -16.9450



# Rectangle

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



63.6550, -72.9030, 16.1610



65.6400, 47.2140, 58.4620



70.2160, 15.6860, -30.9860



61.9550, -40.7990, -37.0470

# Sweetspot

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



63.6550, -72.9030, 16.1610



182.2590, -28.2900, 6.0940



113.7880, -77.6580, -57.3860



86.8380, -16.9190, 3.7610



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



63.6550, -72.9030, 16.1610



79.5400, -97.2040, 21.5480



27.3380, -45.5840, 55.2160



81.3740, -3.9890, 0.7070



53.4940, -65.2000, 14.2240



7.9050, -9.8580, 2.4460



# Inverse Universe

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



62.0980, 77.9790, 57.0750



77.4640, 103.9720, 76.1000



148.6620, 45.5840, -55.2160



81.1470, 4.0800, 3.1520



51.9180, 69.4980, 51.0820



7.9030, 10.8190, 7.6750



# Previews

## White Background



This preview shows how the YIQ color 63.6550, -72.9030, 16.1610 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 63.6550, -72.9030, 16.1610 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 63.6550, -72.9030, 16.1610

## Background



This preview shows how black text looks on a background with the YIQ color 63.6550, -72.9030, 16.1610.



This preview shows how white text looks on a background with the YIQ color 63.6550, -72.9030,



# 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

63.6550, -72.9030, 16.1610

### Protanopia

62.9660, -72.5810, 10.3230

### Deuteranopia

63.2790, -66.5730, 0.5550



## Tritanopia

62.2580, -54.0530, -17.1010

# Trichromacy



## Original Color

63.6550, -72.9030, 16.1610

## Protanomaly

63.1340, -72.9940, 12.3020

## Deuteranomaly

63.1850, -69.0040, 6.0680

## Tritanomaly

62.9280, -61.3910, -5.2550

# Monochromacy



## Original Color

63.6550, -72.9030, 16.1610

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.6290, -26.4560, 5.8960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.6550, -72.9030, 16.1610 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(4, 73, 172)` looks like.

```
.text, #text, p{  
    color:rgb(4, 73, 172)  
}
```

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(4, 73, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 73, 172) }
```

## Border

The CSS property to change the border of an element to YIQ 63.6550, -72.9030, 16.1610 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(4, 73, 172) }
```



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

```
.border{ border-color:rgb(4, 73, 172) }
```

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

Here you see how a box with a 4 pixel rgb(4, 73, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 73, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 73, 172);  
box-shadow:4px 4px 4px 4px rgb(4, 73, 172)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 63.6550, -72.9030, 16.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 73, 172) }
```

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

```
.background{ background-color: rgb(4, 73,  
172) }
```

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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