

# Converting Colors

YIQ(146.1300, -23.6130, 3.9310)

Have a look what the booklet for  
YIQ(146.1300, -23.6130, 3.9310)  
contains.

<b>YIQ(146.1300, -23.6130, 3.9310)</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(146.1300, -23.6130,  
3.9310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7E96B3
RGB	126, 150, 179
RGB Percent	49%, 59%, 70%
CMY	0.5059, 0.4117, 0.2982
CMYK	0.30, 0.16, 0.00, 0.30
HSL	213°, 26%, 60%
HSV	213°, 30%, 70%
XYZ	27.6444, 29.5043, 46.8700
YIQ	146.1300, -23.6130, 3.9310

# Conversions

## Conversions Part 2

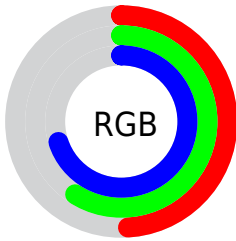
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 143, 179
Decimal	8296115
CIELab	61.22, -1.58, -17.87
CIELCh	61, 17.936, 264.932
Yxy	29.5043, 0.2658, 0.2836
Android (android.graphics.Color)	4286486195 (0xFF7E96B3)
YUV	146.1300, 16.2049, -17.6540
Hunter-Lab	54.3178, -4.2109, -13.1379

# Details

The YIQ color  $146.1300, -23.6130, 3.9310$  is a light color, and the websafe version is hex  $6699CC$ . A complement of this color would be  $158.8700, 23.6130, -3.9310$ , and the grayscale version is  $146.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $200.3580, -24.2550, 4.5530$ , and  $94.9020, -22.9710, 3.3090$  is the 20% darker color. If you saturate the color by 10%, you get  $134.8780, -31.5910, 5.3450$ , and if you desaturate by 10%, it is  $157.3820, -15.6350, 2.5170$ .

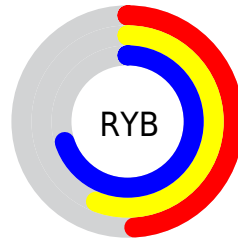
# Distribution



Red (49%)

Green (59%)

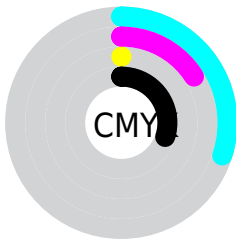
Blue (70%)



Red (49%)

Yellow (56%)

Blue (70%)

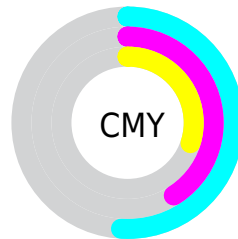


Cyan (30%)

Magenta (16%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (41%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 146.1300, -23.6130, 3.9310 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 146.1300, -23.6130, 3.9310 by changing the saturation by 10% instead.



■ 146.1300,  
-23.6130, 3.9310

■ 146.1300,  
-23.6130, 3.9310

■ 255.0000, -0.0000,  
-0.0000

■ 120.0160,  
-23.2920, 3.6200

■ 200.3580,  
-24.2550, 4.5530

■ 94.9020, -22.9710,  
3.3090

■ 227.4460,  
-21.6870, 2.0650

■ 71.3750, -22.9250,  
2.4750

■ 249.3190,  
-11.3240, -4.0280

■ 47.6630, -23.7960,  
1.7400

■ 24.9400, -26.1340,  
0.0580

■ 8.4580, -12.7930,  
6.0790

■ 0.7980, -2.2470,

2.1770

■ 0.0000, 0.0000,  
0.0000

■ 146.1300,  
-23.6130, 3.9310

■ 146.1300,  
-23.6130, 3.9310

■ 134.8780,  
-31.5910, 5.3450

■ 157.3820,  
-15.6350, 2.5170

■ 123.6260,  
-39.5690, 6.7590

■ 168.6340, -7.6570,  
1.1030

■ 112.9610,  
-47.8220, 7.6500

■ 179.2990, 0.5960,  
0.2120

■ 101.7090,  
-55.8000, 9.0640

■ 190.5510, 8.5740,  
-1.2020

■ 90.7560, -63.1820,  
10.6900

■ 201.5040, 15.9560,  
-2.8280

■ 79.5040, -71.1600,  
12.1040

■ 212.7560, 23.9340,  
-4.2420

■ 68.8390, -79.4130,  
12.9950

■ 223.4210, 32.1870,  
-5.1330

■ 67.9530, -79.7340,  
13.3060

■ 230.4870, 31.8210,  
-9.5150

■ 236.3570, 29.0710,  
-14.7450

# Harmonies

## Analogous

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



142.7110, -32.9190, -3.6310



146.1300, -23.6130, 3.9310



149.1320, -8.7590, 10.0650

# Triad

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



146.1300, -23.6130, 3.9310



149.9280, 26.8660, 8.7060



143.9630, -7.7460, -13.8100

# Complementary

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



146.1300, -23.6130, 3.9310



158.8700, 23.6130, -3.9310

# 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.



145.8570, 7.2920, -11.0120



146.1300, -23.6130, 3.9310



149.0000, 26.3630, 1.2990

# Square

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



146.1300, -23.6130, 3.9310



150.8550, 19.9420, 13.0460



147.6630, 19.7620, -5.7260



142.0630, -22.6470, -13.5830



# Rectangle

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



146.1300, -23.6130, 3.9310



149.9870, 2.0150, 13.0470



147.6630, 19.7620, -5.7260



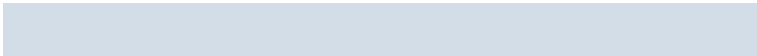
144.7140, -2.6110, -13.2590

# Sweetspot

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



146.1300, -23.6130, 3.9310



219.2640, -9.4910, 1.3010



160.3030, -23.5630, -19.0110



109.0040, -5.8230, 0.9050



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

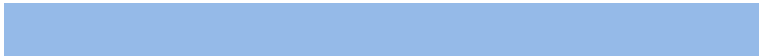


# Same Dimension

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



146.1300, -23.6130, 3.9310



180.1810, -36.8180, 6.4620



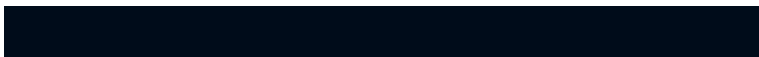
132.6400, -15.8210, 16.9070



83.3740, -3.9890, 0.7070



57.9450, -68.0880, 11.4960



10.0080, -11.6460, 1.8100



# Inverse Universe

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



144.5830, 23.8840, 18.7000



178.0350, 37.5910, 29.1030



172.3600, 15.8210, -16.9070



83.1470, 4.0800, 3.1520



53.6130, 69.0390, 53.8950

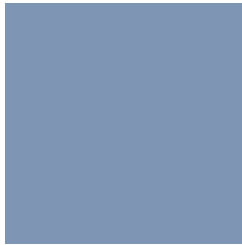


9.1420, 11.6440, 9.2440



# Previews

## White Background



This preview shows how the YIQ color 146.1300, -23.6130, 3.9310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

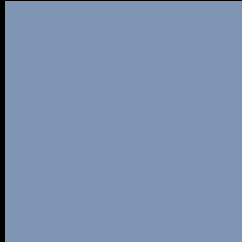
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 146.1300, -23.6130, 3.9310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

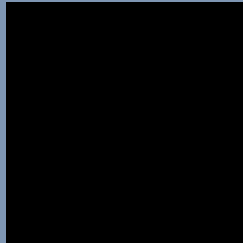
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 146.1300, -23.6130, 3.9310

## Background



This preview shows how black text looks on a background with the YIQ color 146.1300, -23.6130, 3.9310.



This preview shows how white text looks on a background with the YIQ color 146.1300, -23.6130,



# 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

146.1300, -23.6130, 3.9310

### Protanopia

147.9250, -12.6100, 8.2700

### Deuteranopia

148.4030, -10.9600, 11.4080



## Tritanopia

144.8110, -21.4570, -2.1050

# Trichromacy



## Original Color

146.1300, -23.6130, 3.9310

## Protanomaly

147.1310, -16.1860, 6.9980

## Deuteranomaly

147.4840, -15.6820, 8.8780

## Tritanomaly

145.0930, -22.1910, 0.1850

# Monochromacy



## Original Color

146.1300, -23.6130, 3.9310

## Achromatopsia

146.0000, -0.0000, -0.0000

## Achromatomaly

145.8620, -8.2990, 1.7250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 146.1300, -23.6130, 3.9310 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(126, 150, 179)` looks like.

```
.text, #text, p{  
    color:rgb(126, 150, 179)  
}
```

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(126, 150, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 150, 179) }
```

## Border

The CSS property to change the border of an element to YIQ 146.1300, -23.6130, 3.9310 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(126, 150, 179) }
```



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

```
.border{ border-color:rgb(126, 150, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 150, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 150, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 150, 179);  
box-shadow:4px 4px 4px 4px rgb(126, 150,  
179) }
```

# Background

The CSS property to change the background color of an element to YIQ 146.1300, -23.6130, 3.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 150, 179) }
```

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

```
.background{ background-color: rgb(126,  
150, 179) }
```

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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