

# Converting Colors

YIQ(101.6020, -30.9940, 0.0300)

Have a look what the booklet for  
YIQ(101.6020, -30.9940, 0.0300)  
contains.

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# Color

**YIQ(101.6020, -30.9940,  
0.0300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	486E88
RGB	72, 110, 136
RGB Percent	28%, 43%, 53%
CMY	0.7177, 0.5686, 0.4668
CMYK	0.47, 0.19, 0.00, 0.47
HSL	204°, 31%, 41%
HSV	204°, 47%, 53%
XYZ	12.6901, 14.3088, 25.3720
YIQ	101.6020, -30.9940, 0.0300

# Conversions

## Conversions Part 2

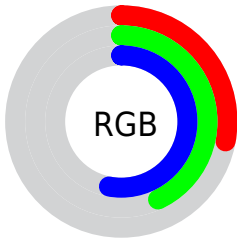
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 96, 136
Decimal	4746888
CIE <sub>Lab</sub>	44.67, -5.97, -18.46
CIE <sub>LCh</sub>	45, 19.405, 252.087
Yxy	14.3088, 0.2423, 0.2732
Android (android.graphics.Color)	4282936968 (0xFF486E88)
YUV	101.6020, 16.9582, -25.9610
Hunter-Lab	37.8270, -6.3148, -13.2891

# Details

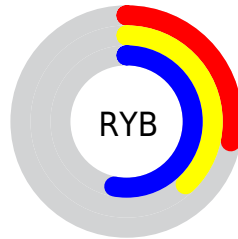
The YIQ color **101.6020, -30.9940, 0.0300** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **106.3980, 30.9940, -0.0300**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.7160, -31.3150, 0.3410**, and **52.1670, -34.2030, -2.3870** is the 20% darker color. If you saturate the color by 10%, you get **94.4810, -37.9630, -0.3230**, and if you desaturate by 10%, it is **109.3100, -24.3000, -0.1400**.

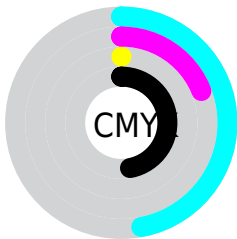
# Distribution



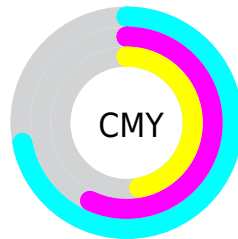
- Red (28%)
- Green (43%)
- Blue (53%)



- Red (28%)
- Yellow (38%)
- Blue (53%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (47%)



- Cyan (72%)
- Magenta (57%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.6020, -30.9940, 0.0300 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 101.6020, -30.9940, 0.0300 by changing the saturation by 10% instead.



■ 101.6020,  
-30.9940, 0.0300

■ 101.6020,  
-30.9940, 0.0300

■ 255.0000, -0.0000,  
-0.0000

■ 76.8900, -31.8650,  
-0.7050

■ 153.7160,  
-31.3150, 0.3410

■ 52.1670, -34.2030,  
-2.3870

■ 180.8300,  
-31.6360, 0.6520

■ 31.2490, -31.4980,  
-1.8500

■ 208.0580,  
-32.2780, 1.2740

■ 17.0010, -18.9360,  
1.7680

■ 234.4790,  
-26.4540, -5.1580

■ 2.8670, -6.6950,  
5.6970

■ 249.0200,  
-11.9200, -4.2400

■ 0.0000, 0.0000,  
0.0000

■ 101.6020,  
-30.9940, 0.0300

■ 101.6020,  
-30.9940, 0.0300

■ 94.4810, -37.9630,  
-0.3230

■ 109.3100,  
-24.3000, -0.1400

■ 87.0720, -44.0610,  
0.0590

■ 116.1320,  
-17.9270, 0.0010

■ 79.3640, -50.7550,  
0.2290

■ 123.8400,  
-11.2330, -0.1690

■ 72.5420, -57.1280,  
0.0880

■ 130.6620, -4.8600,  
-0.0280

■ 64.8340, -63.8220,  
0.2580

■ 138.3700, 1.8340,  
-0.1980

■ 63.0510, -65.9310,  
-0.0670

■ 145.4910, 8.8030,  
0.1550

■ 152.9000, 14.9010,  
-0.2270

■ 160.0210, 21.8700,

0.1260

■ 167.4300, 27.9680,  
-0.2560

# Harmonies

## Analogous

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



97.8520, -37.8700, -7.5180



101.6020, -30.9940, 0.0300



105.6580, -16.2320, 7.8320

# Triad

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



101.6020, -30.9940, 0.0300



107.8400, 24.2980, 11.1940



102.1980, -1.0980, -13.1460

# Complementary

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



101.6020, -30.9940, 0.0300



106.3980, 30.9940, -0.0300

# 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.



104.4340, 12.9770, -9.4150



101.6020, -30.9940, 0.0300



106.7060, 27.3710, 5.0590

# Square

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



101.6020, -30.9940, 0.0300



108.4570, 15.3110, 14.3750



105.5110, 23.2460, -2.7860



99.8740, -17.7410, -14.3890



# Rectangle

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



101.6020, -30.9940, 0.0300



107.3390, -4.9080, 11.8600



105.5110, 23.2460, -2.7860



103.0630, 3.7160, -12.2840

# Sweetspot

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



101.6020, -30.9940, 0.0300



162.6550, -12.1500, -0.0700



112.5320, -25.9460, -25.3860



80.9930, -7.2900, -0.0420



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



101.6020, -30.9940, 0.0300



122.9190, -48.0040, -0.0680



82.8180, -22.1940, 16.7660



65.1460, -3.3470, 0.0850



61.5350, -64.4180, 0.0460



2.3310, -2.4300, -0.0140



# Inverse Universe

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



95.4680, 25.9460, 25.3860



113.3270, 40.0650, 39.3370



125.1820, 22.1940, -16.7660



64.5490, 2.8880, 2.7280



48.7730, 53.9090, 52.7650



1.8370, 2.0170, 1.9930



# Previews

## White Background



This preview shows how the YIQ color 101.6020, -30.9940, 0.0300 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 × Fail



# Black Background



This preview shows how the YIQ color 101.6020, -30.9940, 0.0300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

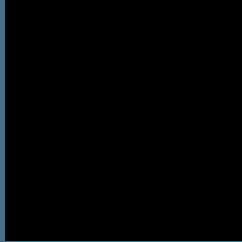
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

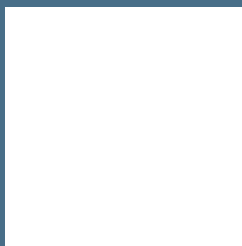
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 101.6020, -30.9940, 0.0300

## Background



This preview shows how black text looks on a background with the YIQ color 101.6020, -30.9940, 0.0300.



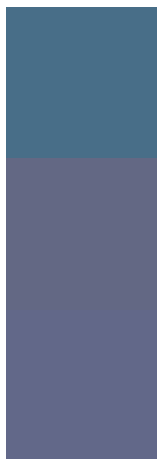
This preview shows how white text looks on a background with the YIQ color 101.6020, -30.9940,



# 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

101.6020, -30.9940, 0.0300

### Protanopia

105.6970, -11.9680, 7.6480

### Deuteranopia

105.9680, -14.1690, 8.9910



## Tritanopia

100.5710, -29.7090, -6.7410

# Trichromacy



## Original Color

101.6020, -30.9940, 0.0300

## Protanomaly

103.9950, -18.7990, 4.7930

## Deuteranomaly

104.4510, -20.0830, 6.0370

## Tritanomaly

100.8530, -30.4430, -4.4510

# Monochromacy



## Original Color

101.6020, -30.9940, 0.0300

## Achromatopsia

102.0000, -0.0000, -0.0000

## Achromatomaly

101.8400, -11.2330, -0.1690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.6020, -30.9940, 0.0300 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(72, 110, 136)` looks like.

```
.text, #text, p{  
    color:rgb(72, 110, 136)  
}
```

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(72, 110, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 110, 136) }
```

## Border

The CSS property to change the border of an element to YIQ 101.6020, -30.9940, 0.0300 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(72, 110, 136) }
```



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

```
.border{ border-color:rgb(72, 110, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 110, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 110, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 110, 136);  
box-shadow:4px 4px 4px 4px rgb(72, 110,  
136) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.6020, -30.9940, 0.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 110, 136) }
```

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

```
.background{ background-color: rgb(72, 110,  
136) }
```

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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