

# Converting Colors

YIQ(106.6670, -29.6190, 2.6450)

Have a look what the booklet for  
YIQ(106.6670, -29.6190, 2.6450)  
contains.

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# Color

**YIQ(106.6670, -29.6190,  
2.6450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	507190
RGB	80, 113, 144
RGB Percent	31%, 44%, 56%
CMY	0.6863, 0.5568, 0.4354
CMYK	0.44, 0.21, 0.00, 0.44
HSL	209°, 29%, 44%
HSV	209°, 44%, 56%
XYZ	14.2450, 15.5307, 28.6180
YIQ	106.6670, -29.6190, 2.6450

# Conversions

## Conversions Part 2

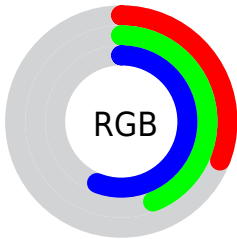
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 102, 144
Decimal	5271952
CIE <sub>Lab</sub>	46.35, -3.17, -20.61
CIE <sub>LCh</sub>	46, 20.850, 261.250
Yxy	15.5307, 0.2439, 0.2660
Android (android.graphics.Color)	4283462032 (0xFF507190)
YUV	106.6670, 18.4052, -23.3870
Hunter-Lab	39.4090, -4.4443, -15.4689

# Details

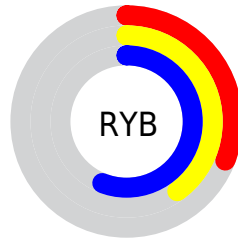
The YIQ color **106.6670, -29.6190, 2.6450** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **117.3330, 29.6190, -2.6450**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **158.8950, -30.2610, 3.2670**, and **57.1290, -31.0400, 0.8640** is the 20% darker color. If you saturate the color by 10%, you get **98.3720, -36.0380, 3.3380**, and if you desaturate by 10%, it is **114.9620, -23.2000, 1.9520**.

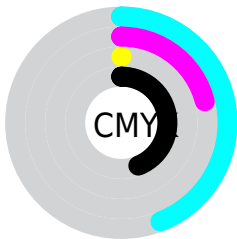
# Distribution



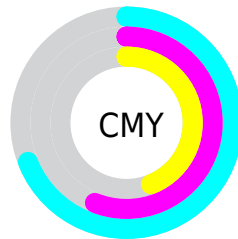
- Red (31%)
- Green (44%)
- Blue (56%)



- Red (31%)
- Yellow (40%)
- Blue (56%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (44%)



- Cyan (69%)
- Magenta (56%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 106.6670, -29.6190, 2.6450 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 106.6670, -29.6190, 2.6450 by changing the saturation by 10% instead.



■ 106.6670,  
-29.6190, 2.6450

■ 106.6670,  
-29.6190, 2.6450

■ 255.0000, -0.0000,  
-0.0000

■ 82.1400, -29.5730,  
1.8110

■ 158.8950,  
-30.2610, 3.2670

■ 57.1290, -31.0400,  
0.8640

■ 186.0090,  
-30.5820, 3.5780

■ 33.2210, -34.2950,  
-0.7190

■ 214.1230,  
-30.9030, 3.8890

■ 18.8590, -21.4120,  
2.5880

■ 238.9310,  
-21.9150, -4.8190

■ 3.5510, -8.6210,  
7.5630

■ 251.7110, -6.5560,  
-2.3320

■ 0.0000, 0.0000,  
0.0000

■ 106.6670,  
-29.6190, 2.6450

■ 106.6670,  
-29.6190, 2.6450

■ 98.3720, -36.0380,  
3.3380

■ 114.9620,  
-23.2000, 1.9520

■ 89.7780, -43.0530,  
3.8190

■ 123.5560,  
-16.1850, 1.4710

■ 81.4830, -49.4720,  
4.5120

■ 131.8510, -9.7660,  
0.7780

■ 72.8890, -56.4870,  
4.9930

■ 140.4450, -2.7510,  
0.2970

■ 64.5940, -62.9060,  
5.6860

■ 148.7400, 3.6680,  
-0.3960

■ 59.8540, -66.5740,  
6.0820

■ 157.0350, 10.0870,  
-1.0890

■ 165.6290, 17.1020,  
-1.5700

■ 173.9240, 23.5210,

-2.2630

■ 182.5180, 30.5360,  
-2.7440

# Harmonies

## Analogous

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



102.1230, -40.0710, -6.1750



106.6670, -29.6190, 2.6450



110.3920, -12.4270, 10.4610

# Triad

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



106.6670, -29.6190, 2.6450



111.4660, 28.2870, 10.4870



105.2080, -7.0580, -15.2660

# Complementary

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



106.6670, -29.6190, 2.6450



117.3330, 29.6190, -2.6450

# 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.



107.7000, 9.1720, -12.0440



106.6670, -29.6190, 2.6450



110.6090, 29.0220, 2.6700

# Square

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



106.6670, -29.6190, 2.6450



112.3220, 20.1250, 15.2370



109.3320, 22.1920, -5.7120



102.6390, -24.3890, -15.0530



# Rectangle

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



106.6670, -29.6190, 2.6450



112.1440, 0.1350, 14.0790



109.3320, 22.1920, -5.7120



106.2580, -1.3270, -14.5030

# Sweetspot

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



106.6670, -29.6190, 2.6450



171.7800, -11.0040, 1.1880



121.1020, -27.5510, -23.8310



85.4060, -7.0150, 0.4810



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



106.6670, -29.6190, 2.6450



128.2230, -45.8040, 4.1160



87.8830, -20.8190, 19.3810



67.1460, -3.3470, 0.0850



56.4800, -62.5850, 5.3750



3.2600, -3.6680, 0.3960



# Inverse Universe

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



102.8980, 27.5510, 23.8310



122.4150, 42.6330, 36.8490



136.1170, 20.8190, -19.3810



66.5490, 2.8880, 2.7280



48.3450, 57.9900, 50.3900



2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 106.6670, -29.6190, 2.6450 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 106.6670, -29.6190, 2.6450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

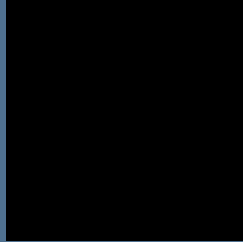
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

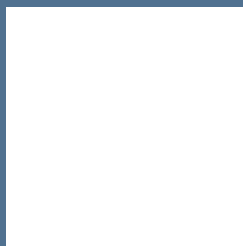
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 106.6670, -29.6190, 2.6450

## Background



This preview shows how black text looks on a background with the YIQ color 106.6670, -29.6190, 2.6450.



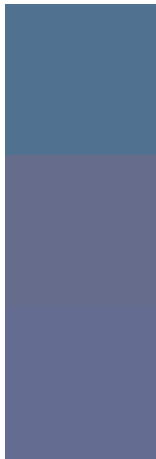
This preview shows how white text looks on a background with the YIQ color 106.6670, -29.6190,



# 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

106.6670, -29.6190, 2.6450

### Protanopia

109.5550, -14.4440, 8.4680

### Deuteranopia

110.1250, -16.0490, 10.0230



## Tritanopia

104.8810, -27.6460, -5.5820

# Trichromacy



## Original Color

106.6670, -29.6190, 2.6450

## Protanomaly

108.4510, -20.0830, 6.0370

## Deuteranomaly

108.9070, -21.3670, 7.2810

## Tritanomaly

105.6900, -28.4260, -2.4580

# Monochromacy



## Original Color

106.6670, -29.6190, 2.6450

## Achromatopsia

107.0000, -0.0000, 0.0000

## Achromatomaly

106.6660, -10.6830, 0.8770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 106.6670, -29.6190, 2.6450 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(80, 113, 144)` looks like.

```
.text, #text, p{  
    color:rgb(80, 113, 144)  
}
```

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(80, 113, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 113, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 106.6670, -29.6190, 2.6450 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(80, 113, 144) }
```



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

```
.border{ border-color:rgb(80, 113, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 113, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 113, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 113, 144);  
box-shadow:4px 4px 4px 4px rgb(80, 113,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 106.6670, -29.6190, 2.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 113, 144) }
```

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

```
.background{ background-color: rgb(80, 113,  
144) }
```

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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