

# Converting Colors

YIQ(88.8420, -49.1050, 3.3670)

Have a look what the booklet for  
YIQ(88.8420, -49.1050, 3.3670)  
contains.

<b>YIQ(88.8420, -49.1050, 3.3670)</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(88.8420, -49.1050,  
3.3670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C6495
RGB	44, 100, 149
RGB Percent	17%, 39%, 58%
CMY	0.8275, 0.6077, 0.4159
CMYK	0.70, 0.33, 0.00, 0.42
HSL	208°, 54%, 38%
HSV	208°, 70%, 58%
XYZ	11.0171, 11.8218, 30.1101
YIQ	88.8420, -49.1050, 3.3670

# Conversions

## Conversions Part 2

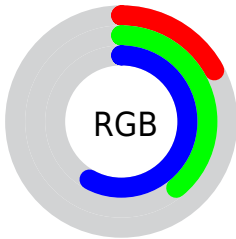
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	44, 81, 149
Decimal	2909333
CIE Lab	40.93, -1.61, -32.14
CIE LCh	41, 32.183, 267.140
Yxy	11.8218, 0.2081, 0.2233
Android (android.graphics.Color)	4281099413 (0xFF2C6495)
YUV	88.8420, 29.6579, -39.3264
Hunter-Lab	34.3829, -2.9743, -27.8540

# Details

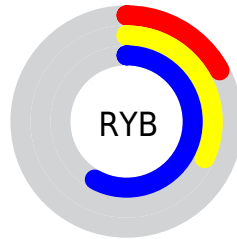
The YIQ color **88.8420, -49.1050, 3.3670** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **104.1580, 49.1050, -3.3670**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.2770, -45.8960, 5.7840**, and **42.8700, -46.3080, 2.2360** is the 20% darker color. If you saturate the color by 10%, you get **80.2480, -56.1200, 3.8480**, and if you desaturate by 10%, it is **97.4360, -42.0900, 2.8860**.

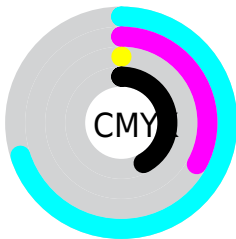
# Distribution



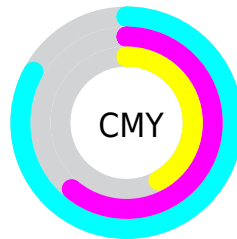
- Red (17%)
- Green (39%)
- Blue (58%)



- Red (17%)
- Yellow (32%)
- Blue (58%)



- Cyan (70%)
- Magenta (33%)
- Yellow (0%)
- Black (42%)



- Cyan (83%)
- Magenta (61%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 88.8420, -49.1050, 3.3670 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 88.8420, -49.1050, 3.3670 by changing the saturation by 10% instead.



■ 88.8420, -49.1050,  
3.3670

■ 88.8420, -49.1050,  
3.3670

■ 255.0000, -0.0000,  
-0.0000

■ 58.6340, -60.3830,  
-1.4950

■ 142.2770,  
-45.8960, 5.7840

■ 42.8700, -46.3080,  
2.2360

■ 169.2170,  
-45.6670, 7.1410

■ 27.8070, -32.8290,  
5.7550

■ 196.6470,  
-44.0620, 5.5860

■ 11.0970, -18.8460,  
11.1540

■ 221.7540,  
-34.4780, -2.9100

■ 4.4800, -9.8590,  
7.9730

■ 243.3390,  
-23.2440, -8.2680

■ 0.0000, 0.0000,  
0.0000

■ 252.0100, -5.9600,

-2.1200

■ 88.8420, -49.1050,  
3.3670

■ 88.8420, -49.1050,  
3.3670

■ 80.2480, -56.1200,  
3.8480

■ 97.4360, -42.0900,  
2.8860

■ 71.6540, -63.1350,  
4.3290

■ 106.0300,  
-35.0750, 2.4050

■ 63.9460, -69.8290,  
4.4990

■ 114.6240,  
-28.0600, 1.9240

■ 123.2180,  
-21.0450, 1.4430

■ 131.5130,  
-14.6260, 0.7500

■ 140.1070, -7.6110,  
0.2690

■ 148.7010, -0.5960,  
-0.2120

■ 157.2950, 6.4190,  
-0.6930

■ 165.3020, 13.7090,  
-0.6510

# Harmonies

## Analogous

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



78.7690, -74.3650, -12.4210



88.8420, -49.1050, 3.3670



98.1240, -14.3080, 17.0200

# Triad

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



88.8420, -49.1050, 3.3670



97.2890, 42.0870, 13.6950



87.1910, -17.5560, -23.2520

# Complementary

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



88.8420, -49.1050, 3.3670



104.1580, 49.1050, -3.3670

# 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.



91.6580, 8.9900, -19.7620



88.8420, -49.1050, 3.3670



96.3020, 40.0720, 0.6480

# Square

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



88.8420, -49.1050, 3.3670



98.4810, 33.0990, 22.4030



94.4650, 28.8870, -11.4090



75.1720, -60.1030, -28.6070



# Rectangle

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



88.8420, -49.1050, 3.3670



99.7520, 4.5350, 22.4470



94.4650, 28.8870, -11.4090



89.2800, -7.5610, -22.6730

# Sweetspot

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



88.8420, -49.1050, 3.3670



170.5880, -19.2110, 1.2450



110.9930, -43.9620, -40.2980



83.3670, -11.2790, 0.6650



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



88.8420, -49.1050, 3.3670



99.4660, -77.1650, 5.2910



58.9050, -35.0800, 30.0400



70.1460, -3.3470, 0.0850



59.1700, -64.6480, 4.2160



4.0750, -4.5850, 0.4950



# Inverse Universe

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



81.7790, 44.6040, 39.6760



88.3670, 70.0920, 62.3480



134.0950, 35.0800, -30.0400



69.5490, 2.8880, 2.7280



49.6980, 58.4940, 52.2700



3.5600, 4.3550, 3.6750



# Previews

## White Background



This preview shows how the YIQ color 88.8420, -49.1050, 3.3670 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 88.8420, -49.1050, 3.3670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

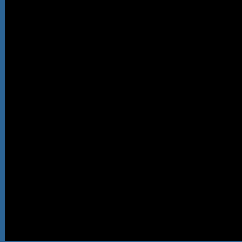
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

**YIQ 88.8420, -49.1050, 3.3670**

## **Background**



This preview shows how black text looks on a background with the YIQ color 88.8420, -49.1050, 3.3670.



This preview shows how white text looks on a background with the YIQ color 88.8420, -49.1050,



# 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

88.8420, -49.1050, 3.3670

### Protanopia

95.2150, -24.9900, 12.3700

### Deuteranopia

93.7840, -34.0220, 10.8580



## Tritanopia

80.1050, -57.9960, -17.2280

# Trichromacy



**Original Color**

88.8420, -49.1050, 3.3670

**Protanomaly**

92.7300, -33.9300, 9.1900

**Deuteranomaly**

91.6800, -39.6610, 8.4270

**Tritanomaly**

83.0010, -54.4670, -9.5950

# Monochromacy



**Original Color**

88.8420, -49.1050, 3.3670

**Achromatopsia**

89.0000, -0.0000, -0.0000

**Achromatomaly**

89.0720, -17.6980, 1.3580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 88.8420, -49.1050, 3.3670 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(44, 100, 149)` looks like.

```
.text, #text, p{  
    color:rgb(44, 100, 149)  
}
```

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(44, 100, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 100, 149) }
```

## Border

The CSS property to change the border of an element to YIQ 88.8420, -49.1050, 3.3670 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(44, 100, 149) }
```



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

```
.border{ border-color:rgb(44, 100, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 100, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 100, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 100, 149);  
box-shadow:4px 4px 4px 4px rgb(44, 100,  
149) }
```

# Background

The CSS property to change the background color of an element to YIQ 88.8420, -49.1050, 3.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 100, 149) }
```

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

```
.background{ background-color: rgb(44, 100,  
149) }
```

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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