

# Converting Colors

YIQ(97.1150, -70.8420, 28.3740)

Have a look what the booklet for  
YIQ(97.1150, -70.8420, 28.3740)  
contains.

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# Color

**YIQ(97.1150, -70.8420,  
28.3740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F62E0
RGB	47, 98, 224
RGB Percent	18%, 38%, 88%
CMY	0.8157, 0.6156, 0.1219
CMYK	0.79, 0.56, 0.00, 0.12
HSL	223°, 74%, 53%
HSV	223°, 79%, 88%
XYZ	18.9830, 14.7201, 72.2931
YIQ	97.1150, -70.8420, 28.3740

# Conversions

## Conversions Part 2

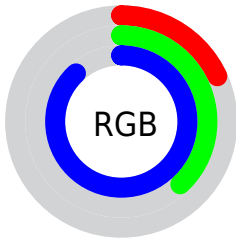
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 87, 224
Decimal	3105504
CIE <sub>Lab</sub>	45.25, 28.26, -68.88
CIE <sub>LCh</sub>	45, 74.452, 292.311
Yxy	14.7201, 0.1791, 0.1389
Android (android.graphics.Color)	4281295584 (0xFF2F62E0)
YUV	97.1150, 62.5543, -43.9509
Hunter-Lab	38.3668, 21.1756, -84.8612

# Details

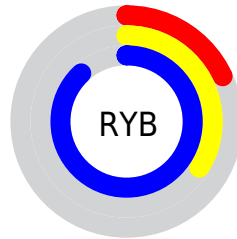
The YIQ color **97.1150, -70.8420, 28.3740** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **173.8850, 70.8420, -28.3740**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **151.8260, -51.0350, 27.3410**, and **50.2630, -68.5030, 24.5290** is the 20% darker color. If you saturate the color by 10%, you get **81.1450, -79.5540, 32.0780**, and if you desaturate by 10%, it is **113.0850, -62.1300, 24.6700**.

# Distribution



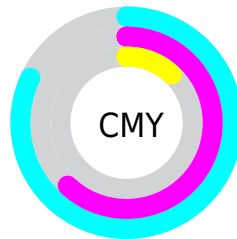
- Red (18%)
- Green (38%)
- Blue (88%)



- Red (18%)
- Yellow (34%)
- Blue (88%)



- Cyan (79%)
- Magenta (56%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (62%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.1150, -70.8420, 28.3740 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 97.1150, -70.8420, 28.3740 by changing the saturation by 10% instead.



■ 97.1150, -70.8420,  
28.3740

■ 97.1150, -70.8420,  
28.3740

■ 255.0000, -0.0000,  
-0.0000

■ 66.2550, -83.2200,  
21.4200

■ 151.8260,  
-51.0350, 27.3410

■ 50.2630, -68.5030,  
24.5290

■ 177.2430,  
-39.3880, 20.0040

■ 35.3310, -54.0150,  
26.2810

■ 202.3610,  
-28.3370, 12.4550

■ 21.8010, -40.7190,  
27.6090

■ 227.7670,  
-18.1570, 4.1710

■ 14.2550, -30.4940,  
24.0180

■ 251.7110, -6.5560,  
-2.3320

■ 11.4050, -22.4690,  
16.2430

■ 6.4350, -13.9860,

11.1820

■ 2.7530, -6.3740,  
5.3860

■ 0.0000, 0.0000,  
0.0000

■ 97.1150, -70.8420,  
28.3740

■ 97.1150, -70.8420,  
28.3740

■ 81.1450, -79.5540,  
32.0780

■ 113.0850,  
-62.1300, 24.6700

■ 64.8760, -88.8620,  
35.5700

■ 129.3540,  
-52.8220, 21.1780

■ 63.6910, -89.7790,  
35.6690

■ 145.3240,  
-44.1100, 17.4740

■ 161.5930,  
-34.8020, 13.9820

■ 177.5630,  
-26.0900, 10.2780

■ 193.5330,  
-17.3780, 6.5740

■ 209.8020, -8.0700,  
3.0820

■ 225.1850, 0.9170,  
-0.0990

■ 241.4540, 10.2250,  
-3.5910

# Harmonies

## Analogous

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



96.8880, -107.4720, 9.3920



97.1150, -70.8420, 28.3740



106.4060, 21.6300, 59.5660

# Triad

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



97.1150, -70.8420, 28.3740



95.8290, 92.7520, 4.0800



87.5160, -64.5480, -41.6680

# Complementary

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



97.1150, -70.8420, 28.3740



173.8850, 70.8420, -28.3740

# 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.



76.2590, -39.7400, -61.7560



97.1150, -70.8420, 28.3740



101.1690, 58.5990, -21.2490

# Square

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



97.1150, -70.8420, 28.3740



82.2390, 99.3910, 54.4870



94.9800, 18.8060, -43.4820



95.5130, -85.6880, -21.9760



# Rectangle

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



97.1150, -70.8420, 28.3740



91.3960, 63.1210, 73.0490



94.9800, 18.8060, -43.4820



84.4210, -57.2110, -47.9870

# Sweetspot

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



97.1150, -70.8420, 28.3740



210.9330, -24.2560, 10.0800



165.0350, -88.4790, -54.0070



101.0880, -14.6270, 6.2770



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



97.1150, -70.8420, 28.3740



81.6780, -96.9320, 38.6520



77.6430, -35.9570, 62.4670



104.0150, -4.3560, 1.8520



50.0010, -70.5210, 28.0630



13.6900, -19.2580, 7.6060



# Inverse Universe

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



105.7370, 89.1210, 53.3850



93.3380, 121.7620, 73.0740



193.3570, 35.9570, -62.4670



104.6310, 5.5930, 3.2650



58.4380, 88.5250, 53.1730



15.9480, 24.1140, 14.5300



# Previews

## White Background



This preview shows how the YIQ color 97.1150, -70.8420, 28.3740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

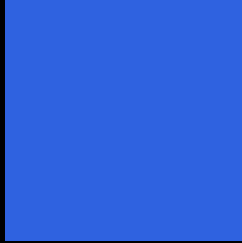
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 97.1150, -70.8420, 28.3740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

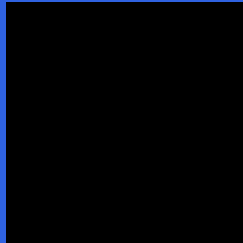
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 97.1150, -70.8420, 28.3740

## Background



This preview shows how black text looks on a background with the YIQ color 97.1150, -70.8420, 28.3740.



This preview shows how white text looks on a background with the YIQ color 97.1150, -70.8420,



# 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

97.1150, -70.8420, 28.3740

### Protanopia

84.7260, -98.0280, 14.4520

### Deuteranopia

85.4150, -90.3230, 1.4610



## Tritanopia

83.6300, -72.8960, -22.5280

# Trichromacy



## Original Color

97.1150, -70.8420, 28.3740

## Protanomaly

89.4500, -88.2630, 19.2010

## Deuteranomaly

89.6320, -83.2640, 11.2000

## Tritanomaly

88.7080, -72.3950, -4.0670

# Monochromacy



## Original Color

97.1150, -70.8420, 28.3740

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

96.8620, -25.4940, 10.4900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.1150, -70.8420, 28.3740 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(47, 98, 224)` looks like.

```
.text, #text, p{  
    color:rgb(47, 98, 224)  
}
```

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(47, 98, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 98, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 97.1150, -70.8420, 28.3740 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(47, 98, 224) }
```



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

```
.border{ border-color:rgb(47, 98, 224) }
```

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

Here you see how a box with a 4 pixel rgb(47, 98, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 98, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 98, 224);  
box-shadow:4px 4px 4px 4px rgb(47, 98,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.1150, -70.8420, 28.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 98, 224) }
```

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

```
.background{ background-color: rgb(47, 98,  
224) }
```

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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