

Converting Colors

YIQ(70.2070, -21.3710, 29.3890)

Have a look what the booklet for
YIQ(70.2070, -21.3710, 29.3890)
contains.

YIQ(70.2070, -21.3710, 29.3890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(70.2070, -21.3710,
29.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	443990
RGB	68, 57, 144
RGB Percent	27%, 22%, 56%
CMY	0.7332, 0.7765, 0.4354
CMYK	0.53, 0.60, 0.00, 0.44
HSL	248°, 43%, 39%
HSV	248°, 60%, 56%
XYZ	8.8793, 6.1679, 27.0925
YIQ	70.2070, -21.3710, 29.3890

Conversions

Conversions Part 2

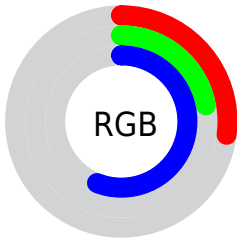
Format	Color
R _Y B	68, 57, 144
Decimal	4471184
CIE Lab	29.83, 29.32, -46.77
CIE LCh	30, 55.203, 302.082
Yxy	6.1679, 0.2107, 0.1464
Android (android.graphics.Color)	4282661264 (0xFF443990)
YUV	70.2070, 36.3799, -1.9355
Hunter-Lab	24.8353, 20.3569, -47.2940

Details

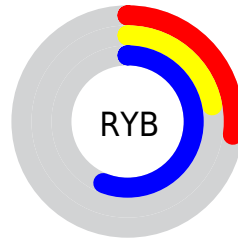
The YIQ color **70.2070, -21.3710, 29.3890** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **130.7930, 21.3710, -29.3890**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.7990, -20.0420, 32.8380**, and **18.8200, -33.7030, 21.6010** is the 20% darker color. If you saturate the color by 10%, you get **58.1020, -25.2690, 33.9550**, and if you desaturate by 10%, it is **82.3120, -17.4730, 24.8230**.

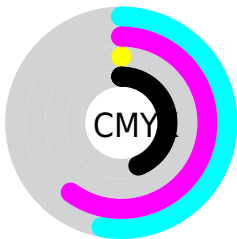
Distribution



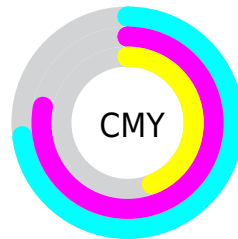
- Red (27%)
- Green (22%)
- Blue (56%)



- Red (27%)
- Yellow (22%)
- Blue (56%)



- Cyan (53%)
- Magenta (60%)
- Yellow (0%)
- Black (44%)



- Cyan (73%)
- Magenta (78%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.2070, -21.3710, 29.3890 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 70.2070, -21.3710, 29.3890 by changing the saturation by 10% instead.

70.2070, -21.3710,
29.3890

70.2070, -21.3710,
29.3890

255.0000, -0.0000,
-0.0000

45.9570, -23.6630,
26.8730

120.7990,
-20.0420, 32.8380

18.8200, -33.7030,
21.6010

147.0380,
-19.2170, 34.4070

7.8660, -22.1490,
21.4590

173.8640,
-18.6670, 35.4530

6.8910, -15.2700,
12.4260

198.0850, -9.4040,
27.2680

3.3230, -7.9790,
6.9410

223.4910, 0.7760,
18.9840

0.0000, 0.0000,
0.0000

245.6080, 4.4000,

8.3680

■ 70.2070, -21.3710,
29.3890

■ 70.2070, -21.3710,
29.3890

■ 58.1020, -25.2690,
33.9550

■ 82.3120, -17.4730,
24.8230

■ 45.7090, -28.2960,
39.2560

■ 94.7050, -14.4460,
19.5220

■ 33.6040, -32.1940,
43.8220

■ 106.8100,
-10.5480, 14.9560

■ 21.7980, -35.4960,
48.6000

■ 119.2030, -7.5210,
9.6550

■ 131.3080, -3.6230,
5.0890

■ 143.1140, -0.3210,
0.3110

■ 155.8060, 3.3020,
-4.7780

■ 167.9110, 7.2000,
-9.3440

■ 180.3040, 10.2270,
-14.6450

Harmonies

Analogous

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



61.9230, -71.0220, 9.6020



70.2070, -21.3710, 29.3890



66.1550, 29.1060, 45.2180

Triad

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



70.2070, -21.3710, 29.3890



64.9200, 55.7070, -1.8690



59.8640, -47.3120, -23.6320

Complementary

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



70.2070, -21.3710, 29.3890



130.7930, 21.3710, -29.3890

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.



53.4460, -31.9960, -36.8920



70.2070, -21.3710, 29.3890



66.2060, 30.8140, -18.8020

Square

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



70.2070, -21.3710, 29.3890



58.7270, 67.5770, 25.3130



58.9200, 1.8400, -33.3600



64.7660, -61.1150, -10.2590

Rectangle

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



70.2070, -21.3710, 29.3890



53.4850, 54.7800, 53.5000



58.9200, 1.8400, -33.3600



57.5670, -42.2220, -27.7740

Sweetspot

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



70.2070, -21.3710, 29.3890



157.9580, -8.2090, 11.1110



112.1170, -49.1020, -13.2140



76.8780, -5.2280, 6.6440



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.



70.2070, -21.3710, 29.3890



72.3590, -32.8820, 45.2780



83.0640, 4.2570, 38.5050



65.0970, -1.6510, 2.3890



20.4730, -33.2030, 45.5890



1.2110, -1.9720, 2.7000

Inverse Universe

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



91.6770, 27.4560, 42.0800



105.4040, 42.3070, 64.7950



117.9360, -4.2570, -38.5050



66.7770, 2.2460, 3.3500



53.8170, 42.5820, 65.3180



3.1900, 2.5210, 3.8730

Previews

White Background



This preview shows how the YIQ color 70.2070, -21.3710, 29.3890 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 ✓ Pass

Black Background



This preview shows how the YIQ color 70.2070, -21.3710, 29.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

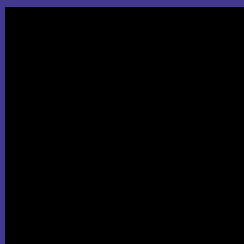
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.2070, -21.3710, 29.3890

Background



This preview shows how black text looks on a background with the YIQ color 70.2070, -21.3710, 29.3890.



This preview shows how white text looks on a background with the YIQ color 70.2070, -21.3710,

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

70.2070, -21.3710, 29.3890

Protanopia

56.3320, -64.9240, 9.2200

Deuteranopia

56.5140, -59.9250, 1.2190



Tritanopia

67.3120, -18.6140, -4.0700

Trichromacy



Original Color

70.2070, -21.3710, 29.3890

Protanomaly

61.4590, -48.9240, 16.6120

Deuteranomaly

61.8520, -45.8970, 11.3110

Tritanomaly

68.2170, -19.3040, 8.4400

Monochromacy



Original Color

70.2070, -21.3710, 29.3890

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.8440, -7.8880, 10.8000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.2070, -21.3710, 29.3890 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(68, 57, 144)` looks like.

```
.text, #text, p{  
    color:rgb(68, 57, 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(68, 57, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 57, 144) }
```

Border

The CSS property to change the border of an element to YIQ 70.2070, -21.3710, 29.3890 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(68, 57, 144) }
```


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

```
.border{ border-color:rgb(68, 57, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 57, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 57, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 57, 144);  
box-shadow:4px 4px 4px 4px rgb(68, 57,  
144) }
```

Background

The CSS property to change the background color of an element to YIQ 70.2070, -21.3710, 29.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 57, 144) }
```

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

```
.background{ background-color: rgb(68, 57,  
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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