

# Converting Colors

YIQ(28.9070, -28.2530, 55.0030)

Have a look what the booklet for  
YIQ(28.9070, -28.2530, 55.0030)  
contains.

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# Color

**YIQ(28.9070, -28.2530,  
55.0030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	24019A
RGB	36, 1, 154
RGB Percent	14%, 0%, 60%
CMY	0.8586, 0.9962, 0.3963
CMYK	0.77, 0.99, 0.00, 0.40
HSL	254°, 99%, 30%
HSV	254°, 99%, 60%
XYZ	6.5677, 2.7284, 30.7267
YIQ	28.9070, -28.2530, 55.0030

# Conversions

## Conversions Part 2

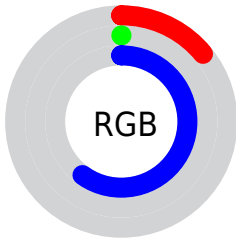
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 1, 154
Decimal	2359706
CIELab	18.92, 54.65, -70.97
CIELCh	19, 89.578, 307.597
Yxy	2.7284, 0.1641, 0.0682
Android (android.graphics.Color)	4280549786 (0xFF24019A)
YUV	28.9070, 61.6708, 6.2206
Hunter-Lab	16.5179, 42.0669, -98.7287

# Details

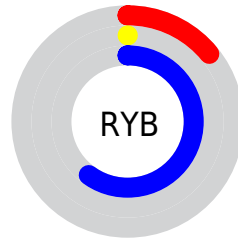
The YIQ color **28.9070, -28.2530, 55.0030** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **126.0930, 28.2530, -55.0030**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.0820, -21.3760, 57.0240**, and **11.5140, -32.4210, 31.4110** is the 20% darker color. If you saturate the color by 10%, you get **28.0210, -28.5740, 55.3140**, and if you desaturate by 10%, it is **41.3000, -25.2260, 49.7020**.

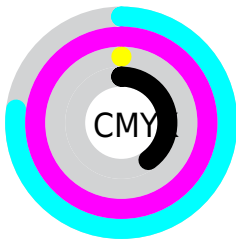
# Distribution



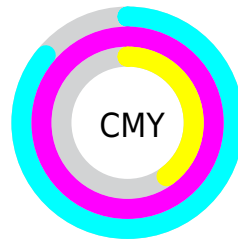
- Red (14%)
- Green (0%)
- Blue (60%)



- Red (14%)
- Yellow (0%)
- Blue (60%)



- Cyan (77%)
- Magenta (99%)
- Yellow (0%)
- Black (40%)



- Cyan (86%)
- Magenta (100%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 28.9070, -28.2530, 55.0030 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 28.9070, -28.2530, 55.0030 by changing the saturation by 10% instead.



■ 28.9070, -28.2530,  
55.0030

■ 28.9070, -28.2530,  
55.0030

■ 250.8910, 1.9250,  
3.6610

■ 14.4780, -40.7670,  
39.4970

■ 89.0820, -21.3760,  
57.0240

■ 11.5140, -32.4210,  
31.4110

■ 116.6200,  
-19.9550, 58.8050

■ 11.0120, -25.4960,  
21.5440

■ 141.7900,  
-14.6820, 56.8540

■ 8.2760, -17.7920,  
14.0800

■ 166.6090, -4.2270,  
49.0930

■ 4.5940, -10.1800,  
8.2840

■ 191.4280, 6.2280,  
41.3320

■ 0.0000, 0.0000,  
0.0000

■ 217.1330, 17.0040,

33.2600

■ 233.8680, 9.9000,  
18.8280

■ 28.9070, -28.2530,  
55.0030

■ 28.9070, -28.2530,  
55.0030

■ 28.0210, -28.5740,  
55.3140

■ 41.3000, -25.2260,  
49.7020

■ 54.2800, -22.4740,  
43.8780

■ 66.6730, -19.4470,  
38.5770

■ 79.6530, -16.6950,  
32.7530

■ 91.7470, -14.2640,  
27.2400

■ 104.1400,  
-11.2370, 21.9390

■ 117.1200, -8.4850,  
16.1150

■ 129.5130, -5.4580,  
10.8140

■ 142.4930, -2.7060,  
4.9900

# Harmonies

## Analogous

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



53.1470, -73.8680, 28.1480



28.9070, -28.2530, 55.0030



49.3300, 45.1510, 57.3030

# Triad

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



28.9070, -28.2530, 55.0030



37.2100, 52.4950, 12.2950



45.2230, -37.7770, -14.7130

# Complementary

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



28.9070, -28.2530, 55.0030



126.0930, 28.2530, -55.0030

# 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.



37.5680, -17.6000, -33.4720



28.9070, -28.2530, 55.0030



42.2070, 11.8780, -17.0340

# Square

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



28.9070, -28.2530, 55.0030



39.1690, 78.0760, 27.7720



35.2200, -16.5000, -31.3800



54.3940, -59.4670, 3.9330



# Rectangle

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



28.9070, -28.2530, 55.0030



49.6250, 68.7650, 47.8450



35.2200, -16.5000, -31.3800



42.6010, -30.3940, -21.8660

# Sweetspot

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



28.9070, -28.2530, 55.0030



150.0260, -10.9160, 21.6280



88.8820, -82.1130, -15.1770



70.3820, -6.4670, 12.5810



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



28.9070, -28.2530, 55.0030



36.4400, -36.4630, 71.6410



51.3320, 16.4470, 70.9030



70.5100, -1.3760, 2.9120



25.5280, -25.8680, 50.3240



2.3790, -2.3850, 4.6790



# Inverse Universe

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



60.1990, 53.3100, 69.1340



76.9430, 69.4910, 89.7710



103.6680, -16.4470, -70.9030



72.0760, 2.8420, 3.5620



54.1720, 48.7720, 63.2680

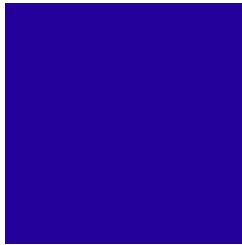


5.0270, 4.5380, 5.8660



# Previews

## White Background



This preview shows how the YIQ color 28.9070, -28.2530, 55.0030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

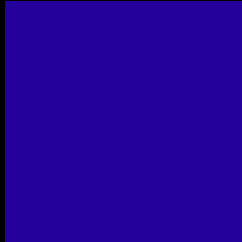
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 28.9070, -28.2530, 55.0030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

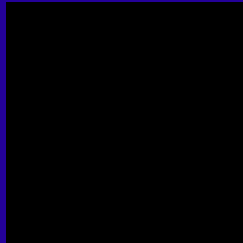
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 28.9070, -28.2530, 55.0030**

## **Background**



This preview shows how black text looks on a background with the YIQ color 28.9070, -28.2530, 55.0030.



This preview shows how white text looks on a background with the YIQ color 28.9070, -28.2530,



# 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

28.9070, -28.2530, 55.0030

### Protanopia

38.9890, -45.0250, 6.5190

### Deuteranopia

39.5130, -40.9890, -0.5490



## Tritanopia

38.7830, -33.4220, -11.0380

# Trichromacy



## Original Color

28.9070, -28.2530, 55.0030

## Protanomaly

35.1770, -39.0220, 24.3860

## Deuteranomaly

35.6840, -36.3160, 19.3960

## Tritanomaly

34.9200, -31.4090, 13.0630

# Monochromacy



## Original Color

28.9070, -28.2530, 55.0030

## Achromatopsia

29.0000, -0.0000, 0.0000

## Achromatomaly

29.1570, -9.9070, 19.8610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 28.9070, -28.2530, 55.0030 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(36, 1, 154)` looks like.

```
.text, #text, p{  
    color:rgb(36, 1, 154)  
}
```

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(36, 1, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 1, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 28.9070, -28.2530, 55.0030 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(36, 1, 154) }
```



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

```
.border{ border-color:rgb(36, 1, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 1, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 1, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 1, 154);  
box-shadow:4px 4px 4px 4px rgb(36, 1, 154)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 28.9070, -28.2530, 55.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 1, 154) }
```

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

```
.background{ background-color: rgb(36, 1,  
154) }
```

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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