

# Converting Colors

YIQ(29.2290, -26.4640, 50.1120)

Have a look what the booklet for  
YIQ(29.2290, -26.4640, 50.1120)  
contains.

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# Color

**YIQ(29.2290, -26.4640,  
50.1120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	230490
RGB	35, 4, 144
RGB Percent	14%, 2%, 56%
CMY	0.8626, 0.9844, 0.4355
CMYK	0.76, 0.97, 0.00, 0.44
HSL	253°, 95%, 29%
HSV	253°, 97%, 56%
XYZ	5.7677, 2.4566, 26.5339
YIQ	29.2290, -26.4640, 50.1120

# Conversions

## Conversions Part 2

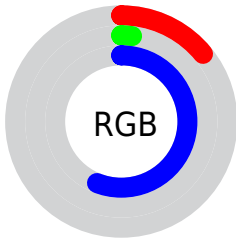
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 4, 144
Decimal	2294928
CIELab	17.72, 51.13, -66.78
CIELCh	18, 84.111, 307.440
Yxy	2.4566, 0.1659, 0.0707
Android (android.graphics.Color)	4280485008 (0xFF230490)
YUV	29.2290, 56.5821, 5.0612
Hunter-Lab	15.6734, 38.2582, -89.4023

# Details

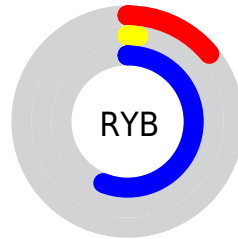
The YIQ color **29.2290, -26.4640, 50.1120** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **118.7710, 26.4640, -50.1120**, and the grayscale version is **29.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **86.9310, -19.6330, 52.9670**, and **10.4880, -29.5320, 28.6120** is the 20% darker color. If you saturate the color by 10%, you get **25.9840, -27.1520, 51.5680**, and if you desaturate by 10%, it is **40.7360, -23.7580, 45.1220**.

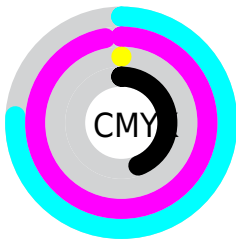
# Distribution



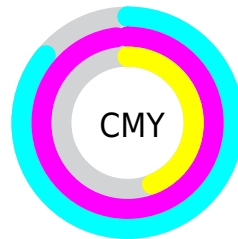
- Red (14%)
- Green (2%)
- Blue (56%)



- Red (14%)
- Yellow (2%)
- Blue (56%)



- Cyan (76%)
- Magenta (97%)
- Yellow (0%)
- Black (44%)



- Cyan (86%)
- Magenta (98%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 29.2290, -26.4640, 50.1120 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 29.2290, -26.4640, 50.1120 by changing the saturation by 10% instead.



■ 29.2290, -26.4640,  
50.1120

■ 29.2290, -26.4640,  
50.1120

■ 250.3040, 2.2000,  
4.1840

■ 13.3380, -37.5570,  
36.3870

■ 86.9310, -19.6330,  
52.9670

■ 10.4880, -29.5320,  
28.6120

■ 113.5830,  
-18.5330, 55.0590

■ 11.7470, -23.4320,  
17.1760

■ 140.5940,  
-17.0660, 56.0060

■ 6.7770, -14.9490,  
12.1150

■ 164.8260, -6.3360,  
48.7680

■ 3.0950, -7.3370,  
6.3190

■ 189.3460, 3.5230,  
40.7950

■ 0.0000, 0.0000,  
0.0000

■ 214.7520, 13.7030,

32.5110

233.2810, 10.1750,  
19.3510

29.2290, -26.4640,  
50.1120

29.2290, -26.4640,  
50.1120

25.9840, -27.1520,  
51.5680

40.7360, -23.7580,  
45.1220

52.8300, -21.3270,  
39.6090

64.6360, -18.0250,  
34.8310

76.7300, -15.5940,  
29.3180

88.2370, -12.8880,  
24.3280

■ 99.7440, -10.1820,  
19.3380

■ 111.8380, -7.7510,  
13.8250

■ 123.6440, -4.4490,  
9.0470

■ 135.7380, -2.0180,  
3.5340

# Harmonies

## Analogous

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



49.9040, -68.8700, 25.6740



29.2290, -26.4640, 50.1120



46.0690, 41.3920, 53.8400

# Triad

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



29.2290, -26.4640, 50.1120



35.4160, 48.9190, 11.0230



43.0060, -35.6680, -14.3880

# Complementary

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



29.2290, -26.4640, 50.1120



118.7710, 26.4640, -50.1120

# 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.



35.8070, -16.7750, -31.9030



29.2290, -26.4640, 50.1120



39.8480, 11.5110, -15.8890

# Square

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



29.2290, -26.4640, 50.1120



36.7770, 73.3080, 26.0760



32.8720, -15.4000, -29.2880



51.1340, -55.7990, 3.5370



# Rectangle

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



29.2290, -26.4640, 50.1120



46.2930, 63.7680, 44.7920



32.8720, -15.4000, -29.2880



40.0250, -28.6520, -20.3960

# Sweetspot

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



29.2290, -26.4640, 50.1120



141.7440, -10.1820, 19.3380



84.5300, -75.1900, -13.9900



67.1540, -5.8250, 11.9590



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.



29.2290, -26.4640, 50.1120



33.4630, -35.2700, 66.5380



49.8600, 14.6600, 64.7400



65.3960, -1.0550, 2.6010



24.3600, -25.4550, 48.3450



1.5100, -1.3760, 2.9120



# Inverse Universe

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



58.2860, 48.4510, 63.5790



72.1440, 64.3110, 84.5270



98.1400, -14.6600, -64.7400



66.7770, 2.2460, 3.3500



52.3350, 46.7550, 61.2750

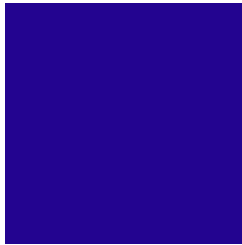


3.0760, 2.8420, 3.5620



# Previews

## White Background



This preview shows how the YIQ color 29.2290, -26.4640, 50.1120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

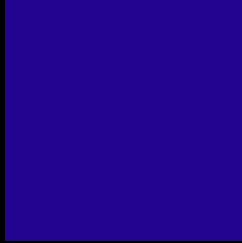
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 29.2290, -26.4640, 50.1120 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 29.2290, -26.4640, 50.1120

## Background



This preview shows how black text looks on a background with the YIQ color 29.2290, -26.4640, 50.1120.



This preview shows how white text looks on a background with the YIQ color 29.2290, -26.4640,



# 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

29.2290, -26.4640, 50.1120

### Protanopia

37.1310, -42.5490, 5.6990

### Deuteranopia

37.1820, -38.5590, -0.5350



## Tritanopia

36.0930, -31.3590, -9.8790

# Trichromacy



## Original Color

29.2290, -26.4640, 50.1120

## Protanomaly

34.2650, -36.4540, 21.8980

## Deuteranomaly

34.4130, -34.1150, 18.0530

## Tritanomaly

33.7630, -29.5290, 12.0310

# Monochromacy



## Original Color

29.2290, -26.4640, 50.1120

## Achromatopsia

29.0000, -0.0000, 0.0000

## Achromatomaly

29.1030, -9.8150, 18.1930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 29.2290, -26.4640, 50.1120 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(35, 4, 144)` looks like.

```
.text, #text, p{  
    color:rgb(35, 4, 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(35, 4, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 4, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 29.2290, -26.4640, 50.1120 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(35, 4, 144) }
```



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

```
.border{ border-color:rgb(35, 4, 144) }
```

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

Here you see how a box with a 4 pixel rgb(35, 4, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 4, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 4, 144);  
box-shadow:4px 4px 4px 4px rgb(35, 4, 144)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 29.2290, -26.4640, 50.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 4, 144) }
```

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

```
.background{ background-color: rgb(35, 4,  
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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