

# Converting Colors

YIQ(56.3030, -30.4490, 28.7110)

Have a look what the booklet for  
YIQ(56.3030, -30.4490, 28.7110)  
contains.

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# Color

**YIQ(56.3030, -30.4490,  
28.7110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D2E8B
RGB	45, 46, 139
RGB Percent	18%, 18%, 55%
CMY	0.8235, 0.8196, 0.4551
CMYK	0.68, 0.67, 0.00, 0.46
HSL	239°, 51%, 36%
HSV	239°, 68%, 54%
XYZ	6.7164, 4.3749, 24.8977
YIQ	56.3030, -30.4490, 28.7110

# Conversions

## Conversions Part 2

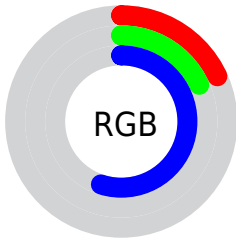
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 46, 139
Decimal	2961035
CIE <sub>Lab</sub>	24.87, 30.53, -51.83
CIE <sub>LCh</sub>	25, 60.154, 300.503
Yxy	4.3749, 0.1866, 0.1216
Android (android.graphics.Color)	4281151115 (0xFF2D2E8B)
YUV	56.3030, 40.7696, -9.9127
Hunter-Lab	20.9162, 20.7149, -55.9346

# Details

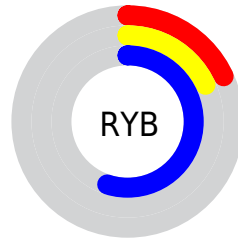
The YIQ color **56.3030, -30.4490, 28.7110** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **127.6970, 30.4490, -28.7110**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **106.8030, -25.8650, 33.7430**, and **11.7930, -29.0730, 25.7990** is the 20% darker color. If you saturate the color by 10%, you get **43.8990, -34.9430, 33.0650**, and if you desaturate by 10%, it is **68.7070, -25.9550, 24.3570**.

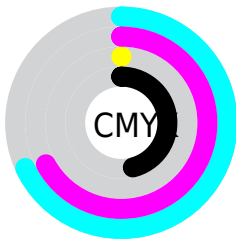
# Distribution



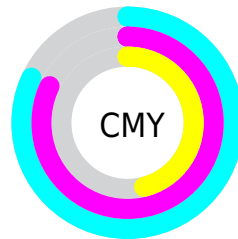
- Red (18%)
- Green (18%)
- Blue (55%)



- Red (18%)
- Yellow (18%)
- Blue (55%)



- Cyan (68%)
- Magenta (67%)
- Yellow (0%)
- Black (46%)



- Cyan (82%)
- Magenta (82%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.3030, -30.4490, 28.7110 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 56.3030, -30.4490, 28.7110 by changing the saturation by 10% instead.



■ 56.3030, -30.4490,  
28.7110

■ 56.3030, -30.4490,  
28.7110

■ 255.0000, -0.0000,  
-0.0000

■ 27.8560, -42.5520,  
22.2800

■ 106.8030,  
-25.8650, 33.7430

■ 11.7930, -29.0730,  
25.7990

■ 133.1560,  
-25.3610, 35.6230

■ 7.2960, -20.5440,  
19.9040

■ 160.0960,  
-25.1320, 36.9800

■ 6.4350, -13.9860,  
11.1820

■ 184.4850,  
-16.2820, 30.7740

■ 2.7530, -6.3740,  
5.3860

■ 209.5920, -6.6980,  
22.2780

■ 0.0000, 0.0000,  
0.0000

■ 234.6990, 2.8860,

13.7820

253.8260, 0.5500,  
1.0460

■ 56.3030, -30.4490,  
28.7110

■ 56.3030, -30.4490,  
28.7110

■ 43.8990, -34.9430,  
33.0650

■ 68.7070, -25.9550,  
24.3570

■ 32.0820, -39.7120,  
36.8960

■ 81.1110, -21.4610,  
20.0030

■ 19.6780, -44.2060,  
41.2500

■ 92.9280, -16.6920,  
16.1720

■ 16.4330, -44.8940,  
42.7060

■ 105.3320,  
-12.1980, 11.8180

■ 117.4370, -8.3000,  
7.2520

■ 129.8410, -3.8060,  
2.8980

■ 141.6580, 0.9630,  
-0.9330

■ 154.0620, 5.4570,  
-5.2870

■ 166.4660, 9.9510,  
-9.6410

# Harmonies

## Analogous

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



56.0700, -66.9420, 12.7540



56.3030, -30.4490, 28.7110



45.1590, 32.4510, 56.1870

# Triad

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



56.3030, -30.4490, 28.7110



53.1250, 53.8720, 3.8560



51.3380, -39.8390, -21.3990

# Complementary

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



56.3030, -30.4490, 28.7110



127.6970, 30.4490, -28.7110

# 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.



44.1220, -22.2760, -36.8360



56.3030, -30.4490, 28.7110



55.8730, 27.5580, -14.8580

# Square

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



56.3030, -30.4490, 28.7110



40.3950, 71.7480, 32.3240



47.6790, -4.6710, -30.9990



57.1690, -54.8800, -7.6160



# Rectangle

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



56.3030, -30.4490, 28.7110



47.2350, 52.4880, 50.9840



47.6790, -4.6710, -30.9990



49.5140, -34.7030, -26.3750

# Sweetspot

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



56.3030, -30.4490, 28.7110



149.1040, -11.5560, 11.1960



110.6660, -55.3820, -20.5500



72.5080, -7.0620, 6.8420



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



56.3030, -30.4490, 28.7110



51.9320, -47.7370, 44.6710



69.1710, -3.3540, 38.7740



62.7980, -2.2470, 2.1770



15.7490, -42.9680, 40.8400



0.5700, -1.6050, 1.5550



# Inverse Universe

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



73.2200, 55.7030, 20.2390



78.1810, 86.9700, 31.7860



114.8290, 3.3540, -38.7740



64.0930, 4.1720, 1.4840



39.8810, 78.9470, 28.5070

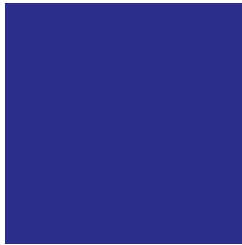


1.4950, 2.9800, 1.0600



# Previews

## White Background



This preview shows how the YIQ color 56.3030, -30.4490, 28.7110 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 56.3030, -30.4490, 28.7110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

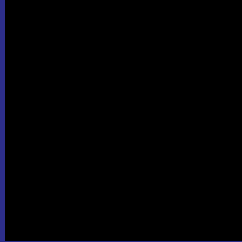
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 56.3030, -30.4490, 28.7110

## Background



This preview shows how black text looks on a background with the YIQ color 56.3030, -30.4490, 28.7110.



This preview shows how white text looks on a background with the YIQ color 56.3030, -30.4490,



# 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

56.3030, -30.4490, 28.7110

### Protanopia

47.2530, -54.5160, 7.8200

### Deuteranopia

47.5490, -49.8380, 0.1300



## Tritanopia

46.7220, -40.6200, -12.7480

# Trichromacy



## Original Color

56.3030, -30.4490, 28.7110

## Protanomaly

50.4870, -46.1270, 15.4810

## Deuteranomaly

50.8800, -43.1000, 10.1800

## Tritanomaly

50.2470, -37.1840, 2.0800

# Monochromacy



## Original Color

56.3030, -30.4490, 28.7110

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

55.8760, -10.9140, 10.5740

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.3030, -30.4490, 28.7110 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(45, 46, 139)` looks like.

```
.text, #text, p{  
    color:rgb(45, 46, 139)  
}
```

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(45, 46, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 46, 139) }
```

## Border

The CSS property to change the border of an element to YIQ 56.3030, -30.4490, 28.7110 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(45, 46, 139) }
```



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

```
.border{ border-color:rgb(45, 46, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 46, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 46, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 46, 139);  
box-shadow:4px 4px 4px 4px rgb(45, 46,  
139) }
```

# Background

The CSS property to change the background color of an element to YIQ 56.3030, -30.4490, 28.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 46, 139) }
```

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

```
.background{ background-color: rgb(45, 46,  
139) }
```

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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