

# Converting Colors

YIQ(64.1510, -28.1060, 2.7580)

Have a look what the booklet for  
YIQ(64.1510, -28.1060, 2.7580)  
contains.

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# Color

**YIQ(64.1510, -28.1060,  
2.7580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	274664
RGB	39, 70, 100
RGB Percent	15%, 27%, 39%
CMY	0.8471, 0.7254, 0.6080
CMYK	0.61, 0.30, 0.00, 0.61
HSL	209°, 44%, 27%
HSV	209°, 61%, 39%
XYZ	5.3257, 5.7325, 12.8736
YIQ	64.1510, -28.1060, 2.7580

# Conversions

## Conversions Part 2

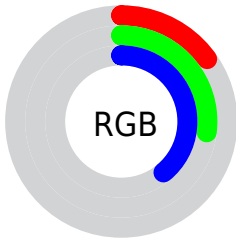
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 60, 100
Decimal	2573924
CIE <sub>Lab</sub>	28.73, -1.46, -21.05
CIE <sub>LCh</sub>	29, 21.097, 266.034
Yxy	5.7325, 0.2225, 0.2395
Android (android.graphics.Color)	4280764004 (0xFF274664)
YUV	64.1510, 17.6736, -22.0574
Hunter-Lab	23.9425, -2.1942, -15.1198

# Details

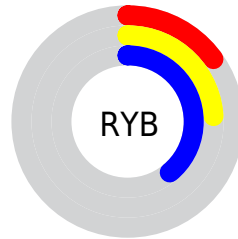
The YIQ color **64.1510, -28.1060, 2.7580** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **74.8490, 28.1060, -2.7580**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.3900, -27.2810, 4.3270**, and **21.8910, -24.4380, 2.3620** is the 20% darker color. If you saturate the color by 10%, you get **58.2260, -32.6910, 3.2530**, and if you desaturate by 10%, it is **70.0760, -23.5210, 2.2630**.

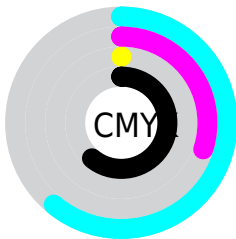
# Distribution



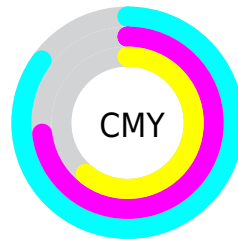
- Red (15%)
- Green (27%)
- Blue (39%)



- Red (15%)
- Yellow (24%)
- Blue (39%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)
- Black (61%)



- Cyan (85%)
- Magenta (73%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 64.1510, -28.1060, 2.7580 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 64.1510, -28.1060, 2.7580 by changing the saturation by 10% instead.



■ 64.1510, -28.1060,  
2.7580

■ 64.1510, -28.1060,  
2.7580

■ 255.0000, -0.0000,  
-0.0000

■ 39.8300, -31.6360,  
0.6520

■ 113.3900,  
-27.2810, 4.3270

■ 21.8910, -24.4380,  
2.3620

■ 139.2050,  
-28.1980, 4.4260

■ 4.8220, -10.8220,  
8.9060

■ 165.6180,  
-27.9230, 4.9490

■ 0.4560, -1.2840,  
1.2440

■ 192.8460,  
-28.5650, 5.5710

■ 0.0000, 0.0000,  
0.0000

■ 220.0480,  
-26.3180, 3.3940

■ 245.4430,

-17.6050, -5.8370

254.7010, -0.5960,  
-0.2120

■ 64.1510, -28.1060,  
2.7580

■ 64.1510, -28.1060,  
2.7580

■ 58.2260, -32.6910,  
3.2530

■ 70.0760, -23.5210,  
2.2630

■ 52.3010, -37.2760,  
3.7480

■ 76.0010, -18.9360,  
1.7680

■ 46.3760, -41.8610,  
4.2430

■ 81.9260, -14.3510,  
1.2730

■ 41.3370, -46.1250,  
4.4270

■ 87.8510, -9.7660,  
0.7780

■ 93.7760, -5.1810,  
0.2830

■ 99.1140, -0.3210,  
0.3110

■ 105.0390, 4.2640,  
-0.1840

■ 110.9640, 8.8490,  
-0.6790

■ 116.8890, 13.4340,  
-1.1740

# Harmonies

## Analogous

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



54.7520, -49.3320, -9.0440



64.1510, -28.1060, 2.7580



68.3600, -9.4010, 10.6870

# Triad

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



64.1510, -28.1060, 2.7580



68.6290, 26.2700, 8.4940



62.7670, -10.1300, -14.6580

# Complementary

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



64.1510, -28.1060, 2.7580



74.8490, 28.1060, -2.7580

# 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.



65.1450, 6.4210, -11.7470



64.1510, -28.1060, 2.7580



67.7010, 25.7670, 1.0870

# Square

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



64.1510, -28.1060, 2.7580



69.3820, 19.8960, 13.8800



66.6520, 18.2950, -6.6730



58.3010, -29.2490, -15.0810



# Rectangle

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



64.1510, -28.1060, 2.7580



69.4000, 2.2900, 13.5700



66.6520, 18.2950, -6.6730



63.8170, -4.3990, -13.8950

# Sweetspot

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



64.1510, -28.1060, 2.7580



116.6660, -10.6830, 0.8770



78.1130, -26.0840, -22.8840



57.7050, -6.4190, 0.6930



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



64.1510, -28.1060, 2.7580



74.0060, -43.6950, 4.4410



46.5410, -19.8560, 18.4480



47.7440, -2.1550, 0.5090



47.1560, -52.8650, 5.4310



99.7890, -111.5070, 10.9330



# Inverse Universe

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



60.7730, 26.4050, 22.5730



68.8770, 41.2120, 35.0680



92.4590, 19.8560, -18.4480



47.7230, 2.3380, 1.6820



40.9970, 49.9220, 42.4180

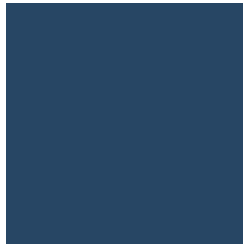


86.3800, 104.7490, 89.5570



# Previews

## White Background



This preview shows how the YIQ color 64.1510, -28.1060, 2.7580 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 64.1510, -28.1060, 2.7580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

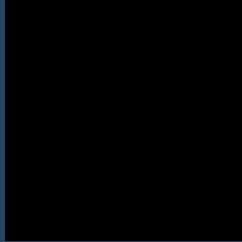
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

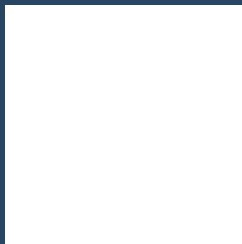
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 64.1510, -28.1060, 2.7580

## Background



This preview shows how black text looks on a background with the YIQ color 64.1510, -28.1060, 2.7580.



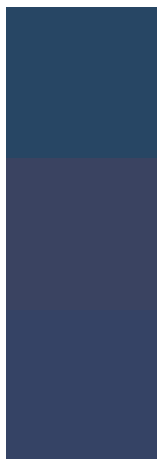
This preview shows how white text looks on a background with the YIQ color 64.1510, -28.1060,



# 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

64.1510, -28.1060, 2.7580

### Protanopia

67.7290, -14.9940, 7.4220

### Deuteranopia

66.6900, -19.2580, 7.6060



## Tritanopia

61.5280, -28.1500, -7.4620

# Trichromacy



## Original Color

64.1510, -28.1060, 2.7580

## Protanomaly

66.3370, -19.7620, 5.7260

## Deuteranomaly

65.7820, -22.5130, 6.0230

## Tritanomaly

62.6360, -28.3340, -4.1260

# Monochromacy



## Original Color

64.1510, -28.1060, 2.7580

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.9650, -10.0870, 1.0890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 64.1510, -28.1060, 2.7580 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(39, 70, 100)` looks like.

```
.text, #text, p{  
    color:rgb(39, 70, 100)  
}
```

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(39, 70, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 70, 100) }
```

## Border

The CSS property to change the border of an element to YIQ 64.1510, -28.1060, 2.7580 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(39, 70, 100) }
```



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

```
.border{ border-color:rgb(39, 70, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 70, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 70, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 70, 100);  
box-shadow:4px 4px 4px 4px rgb(39, 70,  
100) }
```

# Background

The CSS property to change the background color of an element to YIQ 64.1510, -28.1060, 2.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 70, 100) }
```

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

```
.background{ background-color: rgb(39, 70,  
100) }
```

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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