

# Converting Colors

YIQ(64.4970, -25.7240, 14.6600)

Have a look what the booklet for  
YIQ(64.4970, -25.7240, 14.6600)  
contains.

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# Color

**YIQ(64.4970, -25.7240,  
14.6600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	313E76
RGB	49, 62, 118
RGB Percent	19%, 24%, 46%
CMY	0.8078, 0.7568, 0.5374
CMYK	0.58, 0.47, 0.00, 0.54
HSL	229°, 41%, 33%
HSV	229°, 58%, 46%
XYZ	6.2574, 5.4060, 17.8416
YIQ	64.4970, -25.7240, 14.6600

# Conversions

## Conversions Part 2

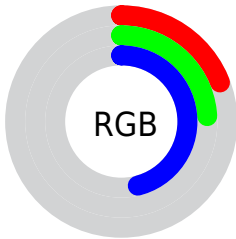
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 60, 118
Decimal	3227254
CIE <sub>Lab</sub>	27.86, 12.84, -33.82
CIE <sub>LCh</sub>	28, 36.174, 290.783
Yxy	5.4060, 0.2121, 0.1832
Android (android.graphics.Color)	4281417334 (0xFF313E76)
YUV	64.4970, 26.3770, -13.5909
Hunter-Lab	23.2508, 7.3504, -29.2211

# Details

The YIQ color **64.4970, -25.7240, 14.6600** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **102.5030, 25.7240, -14.6600**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.6760, -24.6700, 17.5860**, and **20.1930, -27.9240, 10.4760** is the 20% darker color. If you saturate the color by 10%, you get **55.0390, -30.1260, 17.3460**, and if you desaturate by 10%, it is **73.9550, -21.3220, 11.9740**.

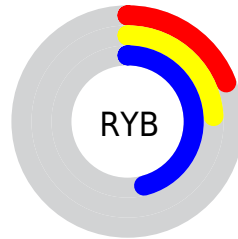
# Distribution



 Red (19%)

 Green (24%)

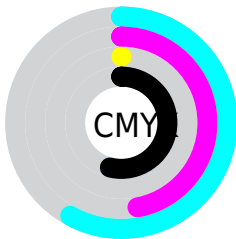
 Blue (46%)




 Red (19%)

 Yellow (24%)

 Blue (46%)

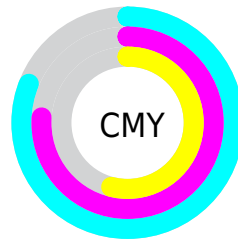


 Cyan (58%)

 Magenta (47%)

 Yellow (0%)

 Black (54%)



 Cyan (81%)

 Magenta (76%)

 Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 64.4970, -25.7240, 14.6600 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 64.4970, -25.7240, 14.6600 by changing the saturation by 10% instead.



■ 64.4970, -25.7240,  
14.6600

■ 64.4970, -25.7240,  
14.6600

■ 255.0000, -0.0000,  
-0.0000

■ 40.0620, -28.9330,  
12.2430

■ 113.6760,  
-24.6700, 17.5860

■ 20.1930, -27.9240,  
10.4760

■ 139.5020,  
-24.1200, 18.6320

■ 5.8310, -15.0410,  
13.7830

■ 166.6160,  
-24.4410, 18.9430

■ 3.4370, -8.3000,  
7.2520

■ 193.8440,  
-25.0830, 19.5650

■ 0.0000, 0.0000,  
0.0000

■ 218.3640,  
-15.2240, 11.5920

■ 243.7590, -6.5110,

2.3610

■ 64.4970, -25.7240,  
14.6600

■ 64.4970, -25.7240,  
14.6600

■ 55.0390, -30.1260,  
17.3460

■ 73.9550, -21.3220,  
11.9740

■ 46.1680, -34.8030,  
19.5090

■ 82.8260, -16.6450,  
9.8110

■ 37.0090, -38.6090,  
22.4070

■ 91.9850, -12.8390,  
6.9130

■ 28.1380, -43.2860,  
24.5700

■ 100.8560, -8.1620,  
4.7500

■ 26.3660, -43.9280,  
25.1920

■ 110.3140, -3.7600,  
2.0640

■ 119.1850, 0.9170,  
-0.0990

■ 128.6430, 5.3190,  
-2.7850

■ 137.8020, 9.1250,  
-5.6830

■ 146.6730, 13.8020,  
-7.8460

# Harmonies

## Analogous

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



55.4710, -58.3660, 0.4980



64.4970, -25.7240, 14.6600



68.0730, 8.0650, 24.5530

# Triad

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



64.4970, -25.7240, 14.6600



63.6660, 42.0430, 3.4750



52.1700, -39.4260, -23.3780

# Complementary

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



64.4970, -25.7240, 14.6600



102.5030, 25.7240, -14.6600

# 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.



55.2790, -14.9880, -25.7400



64.4970, -25.7240, 14.6600



62.2760, 33.7930, -12.2150

# Square

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



64.4970, -25.7240, 14.6600



63.3370, 42.1320, 18.3880



60.0130, 15.1800, -21.8120



56.0630, -49.0100, -14.8820



# Rectangle

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



64.4970, -25.7240, 14.6600



66.0380, 24.3410, 26.9410



60.0130, 15.1800, -21.8120



51.0300, -36.2160, -26.4880

# Sweetspot

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



64.4970, -25.7240, 14.6600



131.7140, -10.6380, 5.5700



95.7730, -36.6300, -18.9820



63.6990, -6.2820, 3.7180



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



64.4970, -25.7240, 14.6600



69.9380, -39.8470, 22.8170



63.1450, -9.6330, 25.9110



54.2710, -2.2010, 1.3430



27.4090, -45.4870, 25.9130



56.0890, -93.1750, 53.1690



# Inverse Universe

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



71.1130, 36.9510, 18.6710



80.2730, 57.3520, 28.9040



103.8550, 9.6330, -25.9110



54.9080, 3.2550, 1.5830



39.1000, 65.3290, 33.0170



80.1080, 133.9130, 67.6170



# Previews

## White Background



This preview shows how the YIQ color 64.4970, -25.7240, 14.6600 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 64.4970, -25.7240, 14.6600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

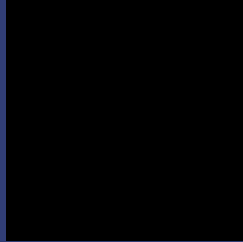
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 64.4970, -25.7240, 14.6600

## Background



This preview shows how black text looks on a background with the YIQ color 64.4970, -25.7240, 14.6600.



This preview shows how white text looks on a background with the YIQ color 64.4970, -25.7240,



# 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

64.4970, -25.7240, 14.6600

### Protanopia

62.6100, -33.4720, 11.9040

### Deuteranopia

58.0490, -45.2540, 5.1620



## Tritanopia

60.0230, -25.1700, -6.4020

# Trichromacy



## Original Color

64.4970, -25.7240, 14.6600

## Protanomaly

63.1050, -30.4920, 12.9640

## Deuteranomaly

60.1640, -38.1480, 8.5400

## Tritanomaly

61.7660, -25.5840, 1.1040

# Monochromacy



## Original Color

64.4970, -25.7240, 14.6600

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

64.1980, -9.1250, 5.6830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 64.4970, -25.7240, 14.6600 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(49, 62, 118)` looks like.

```
.text, #text, p{  
    color:rgb(49, 62, 118)  
}
```

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(49, 62, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 62, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 64.4970, -25.7240, 14.6600 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(49, 62, 118) }
```



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

```
.border{ border-color:rgb(49, 62, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 62, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 62, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 62, 118);  
box-shadow:4px 4px 4px 4px rgb(49, 62,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 64.4970, -25.7240, 14.6600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 62, 118) }
```

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

```
.background{ background-color: rgb(49, 62,  
118) }
```

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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