

# Converting Colors

YIQ(44.6250, -9.1830, 72.8410)

Have a look what the booklet for  
YIQ(44.6250, -9.1830, 72.8410)  
contains.

<b>YIQ(44.6250, -9.1830, 72.8410)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(44.6250, -9.1830,  
72.8410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5100B3
RGB	81, 0, 179
RGB Percent	32%, 0%, 70%
CMY	0.6820, 1.0000, 0.2982
CMYK	0.55, 1.00, 0.00, 0.30
HSL	267°, 100%, 35%
HSV	267°, 100%, 70%
XYZ	11.5322, 5.0056, 42.9825
YIQ	44.6250, -9.1830, 72.8410

# Conversions

## Conversions Part 2

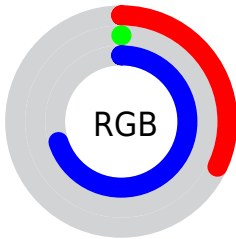
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 0, 179
Decimal	5308595
CIE <sub>Lab</sub>	26.75, 63.26, -73.01
CIE <sub>LCh</sub>	27, 96.601, 310.908
Yxy	5.0056, 0.1938, 0.0841
Android (android.graphics.Color)	4283498675 (0xFF5100B3)
YUV	44.6250, 66.2469, 31.9009
Hunter-Lab	22.3733, 52.8535, -98.2441

# Details

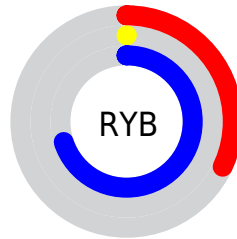
The YIQ color **44.6250, -9.1830, 72.8410** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **134.3750, 9.1830, -72.8410**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **108.6910, -9.5490, 68.4590**, and **14.2500, -40.1250, 38.8750** is the 20% darker color. If you saturate the color by 10%, you get **44.6250, -9.1830, 72.8410**, and if you desaturate by 10%, it is **58.1810, -8.1730, 65.5470**.

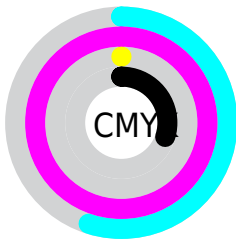
# Distribution



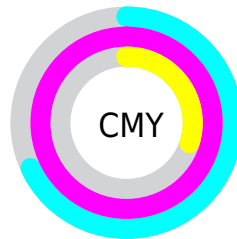
- Red (32%)
- Green (0%)
- Blue (70%)



- Red (32%)
- Yellow (0%)
- Blue (70%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (68%)
- Magenta (100%)
- Yellow (30%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 44.6250, -9.1830, 72.8410 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 44.6250, -9.1830, 72.8410 by changing the saturation by 10% instead.



44.6250, -9.1830,  
72.8410

44.6250, -9.1830,  
72.8410

255.0000, -0.0000,  
-0.0000

31.2670, -20.4590,  
56.9250

108.6910, -9.5490,  
68.4590

14.2500, -40.1250,  
38.8750

135.3770, -5.7890,  
66.3950

11.2860, -31.7790,  
30.7890

160.1960, 4.6660,  
58.6340

10.7840, -24.8540,  
20.9220

185.9010, 15.4420,  
50.5620

8.0480, -17.1500,  
13.4580

208.6270, 21.7250,  
41.3170

4.3660, -9.5380,  
7.6620

225.6500, 13.7500,

0.0000, 0.0000,

26.1500

0.0000

■ 242.6730, 5.7750,  
10.9830

■ 44.6250, -9.1830,  
72.8410

■ 58.1810, -8.1730,  
65.5470

■ 71.7370, -7.1630,  
58.2530

■ 84.9940, -6.7490,  
50.7470

■ 98.5500, -5.7390,  
43.4530

■ 111.5190, -4.4540,  
36.6820

■ 125.0750, -3.4440,  
29.3880

■ 138.6310, -2.4340,  
22.0940

■ 151.8880, -2.0200,  
14.5880

■ 165.4440, -1.0100,  
7.2940

# Harmonies

## Analogous

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



65.0130, -87.9900, 30.7780



44.6250, -9.1830, 72.8410



61.3200, 60.2790, 69.4870

# Triad

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



44.6250, -9.1830, 72.8410



56.6910, 58.0900, 4.5060



60.7420, -52.5400, -16.9880

# Complementary

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



44.6250, -9.1830, 72.8410



134.3750, 9.1830, -72.8410

# 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.



49.6500, -24.0630, -42.9990



44.6250, -9.1830, 72.8410



56.3500, 12.6130, -24.8510

# Square

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



44.6250, -9.1830, 72.8410



47.2420, 94.1680, 33.4960



46.9600, -22.0000, -41.8400



70.1240, -76.2020, 4.3580



# Rectangle

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



44.6250, -9.1830, 72.8410



60.6320, 85.2230, 57.9510



46.9600, -22.0000, -41.8400



57.1910, -43.9190, -24.5510

# Sweetspot

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



44.6250, -9.1830, 72.8410



179.5480, -3.3980, 28.5540



77.9320, -84.4090, 4.4150



85.4690, -2.1580, 17.0900



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



44.6250, -9.1830, 72.8410



57.8430, -11.8920, 94.4120



71.2360, 43.8610, 91.7090



82.2220, -0.5050, 3.6470



38.0730, -7.9890, 62.2110



6.5520, -1.1940, 10.6300



# Inverse Universe

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



64.6930, 75.2260, 68.4260



83.8460, 97.5050, 88.6810



107.7640, -43.8610, -91.7090



83.2610, 3.7590, 3.4630



55.3230, 64.2240, 58.5600

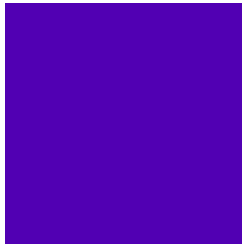


9.3700, 11.0020, 9.8660



# Previews

## White Background



This preview shows how the YIQ color 44.6250, -9.1830, 72.8410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

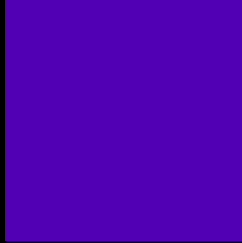
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 44.6250, -9.1830, 72.8410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

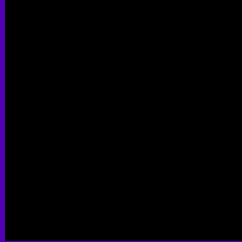
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 44.6250, -9.1830, 72.8410

## Background



This preview shows how black text looks on a background with the YIQ color 44.6250, -9.1830, 72.8410.



This preview shows how white text looks on a background with the YIQ color 44.6250, -9.1830,



# 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

44.6250, -9.1830, 72.8410

### Protanopia

52.8440, -60.6140, 8.2020

### Deuteranopia

52.9120, -55.2940, -0.1100



## Tritanopia

63.3940, -15.9090, -3.5330

# Trichromacy



## Original Color

44.6250, -9.1830, 72.8410

## Protanomaly

49.8380, -42.1410, 31.3550

## Deuteranomaly

49.6440, -38.8390, 26.5770

## Tritanomaly

56.9380, -13.4840, 24.1160

# Monochromacy



## Original Color

44.6250, -9.1830, 72.8410

## Achromatopsia

45.0000, -0.0000, -0.0000

## Achromatomaly

45.0810, -3.5810, 26.3630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 44.6250, -9.1830, 72.8410 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(81, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 179)  
}
```

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(81, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 179) }
```

## Border

The CSS property to change the border of an element to YIQ 44.6250, -9.1830, 72.8410 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(81, 0, 179) }
```



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

```
.border{ border-color:rgb(81, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(81, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 179)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 44.6250, -9.1830, 72.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 179) }
```

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

```
.background{ background-color: rgb(81, 0,  
179) }
```

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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