

# Converting Colors

YIQ(50.6350, 10.0790, 43.1270)

Have a look what the booklet for  
YIQ(50.6350, 10.0790, 43.1270)  
contains.

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# Color

**YIQ(50.6350, 10.0790,  
43.1270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	571471
RGB	87, 20, 113
RGB Percent	34%, 8%, 44%
CMY	0.6586, 0.9217, 0.5569
CMYK	0.23, 0.82, 0.00, 0.56
HSL	283°, 70%, 26%
HSV	283°, 82%, 44%
XYZ	7.1655, 3.7203, 15.9608
YIQ	50.6350, 10.0790, 43.1270

# Conversions

## Conversions Part 2

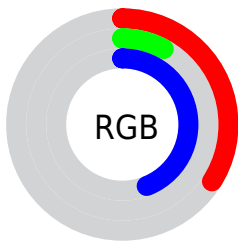
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 20, 113
Decimal	5706865
CIE <sub>Lab</sub>	22.72, 44.31, -38.69
CIE <sub>LCh</sub>	23, 58.820, 318.873
Yxy	3.7203, 0.2669, 0.1386
Android (android.graphics.Color)	4283896945 (0xFF571471)
YUV	50.6350, 30.7459, 31.8921
Hunter-Lab	19.2881, 32.5583, -35.5605

# Details

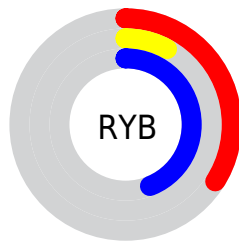
The YIQ color **50.6350, 10.0790, 43.1270** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **82.3650, -10.0790, -43.1270**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.0480, 10.3540, 43.6500**, and **18.6580, 2.1040, 27.9600** is the 20% darker color. If you saturate the color by 10%, you get **43.2810, 11.3160, 48.2440**, and if you desaturate by 10%, it is **57.9890, 8.8420, 38.0100**.

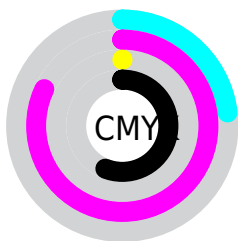
# Distribution



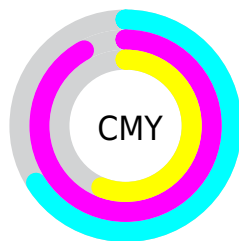
- Red (34%)
- Green (8%)
- Blue (44%)



- Red (34%)
- Yellow (8%)
- Blue (44%)



- Cyan (23%)
- Magenta (82%)
- Yellow (0%)
- Black (56%)



- Cyan (66%)
- Magenta (92%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 50.6350, 10.0790, 43.1270 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 50.6350, 10.0790, 43.1270 by changing the saturation by 10% instead.



50.6350, 10.0790,  
43.1270

50.6350, 10.0790,  
43.1270

255.0000, -0.0000,  
-0.0000

28.2710, 8.1080,  
40.3000

103.0480, 10.3540,  
43.6500

18.6580, 2.1040,  
27.9600

129.7600, 11.2250,  
44.3850

4.6740, -13.1610,  
12.7510

156.5860, 11.7750,  
45.4310

2.7530, -6.3740,  
5.3860

183.8250, 12.6000,  
47.0000


0.0000, 0.0000,  
0.0000


209.5020, 20.5790,  
40.0590


226.2370, 13.4750,

25.6270


 242.6730, 5.7750,  
10.9830

 50.6350, 10.0790,  
43.1270

 50.6350, 10.0790,  
43.1270

 43.2810, 11.3160,  
48.2440


 57.9890, 8.8420,  
38.0100

 37.1010, 12.0030,  
52.3150

 65.9300, 7.3300,  
32.3700

 73.5830, 6.6890,  
27.4650

 80.9370, 5.4520,  
22.3480

 88.2910, 4.2150,  
17.2310

■ 96.2320, 2.7030,  
11.5910

■ 103.5860, 1.4660,  
6.4740

■ 110.9400, 0.2290,  
1.3570

■ 118.8810, -1.2830,  
-4.2830

# Harmonies

## Analogous

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



45.7830, -58.6440, 16.5560



50.6350, 10.0790, 43.1270



44.5010, 48.6830, 48.3550

# Triad

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



50.6350, 10.0790, 43.1270



51.8080, 35.3510, -7.4090



51.0250, -45.8470, -11.6310

# Complementary

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



50.6350, 10.0790, 43.1270



82.3650, -10.0790, -43.1270

# 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.



45.1940, -30.8060, -25.4140



50.6350, 10.0790, 43.1270



48.0660, 7.6610, -23.2110

# Square

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



50.6350, 10.0790, 43.1270



42.8690, 60.8850, 14.4290



39.3290, -18.4250, -35.0410



54.8840, -58.0910, 1.0210



# Rectangle

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



50.6350, 10.0790, 43.1270



42.9890, 61.5680, 40.6080



39.3290, -18.4250, -35.0410



49.3150, -41.0320, -16.2960

# Sweetspot

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



50.6350, 10.0790, 43.1270



123.2910, 4.2150, 17.2310



45.8640, -37.0030, 15.3250



59.2920, 2.4740, 10.2340



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



50.6350, 10.0790, 43.1270



49.4520, 15.9890, 68.1890



56.1290, 31.9950, 42.4190



52.1790, 1.0540, 2.9260



39.3940, 12.7360, 55.5520



81.3800, 26.8010, 114.5530



# Inverse Universe

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



50.7710, 47.0820, 27.8020



49.6270, 74.4510, 43.9150



76.8710, -31.9950, -42.4190



52.0220, 2.9340, 1.8940



39.6420, 60.9270, 35.7030

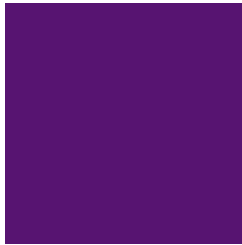


81.7190, 125.0630, 73.8230



# Previews

## White Background



This preview shows how the YIQ color 50.6350, 10.0790, 43.1270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

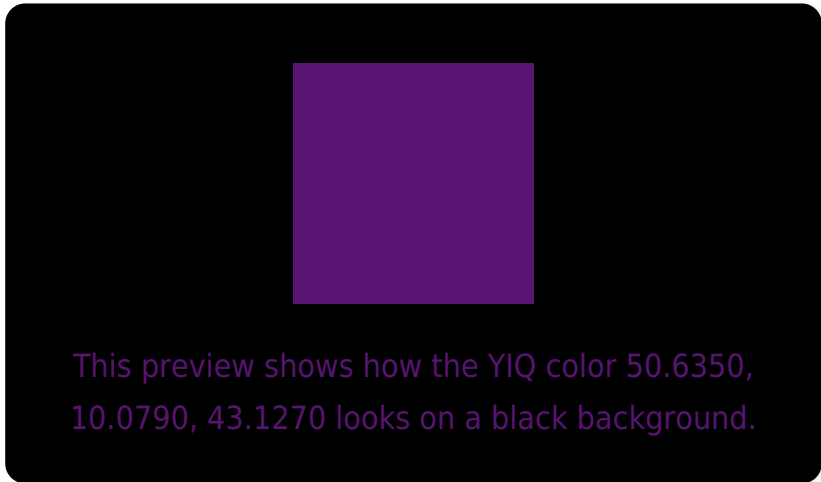
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

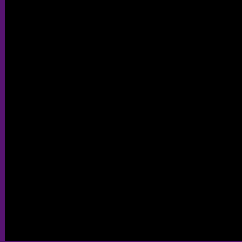
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 50.6350, 10.0790, 43.1270**

## **Background**



This preview shows how black text looks on a background with the YIQ color 50.6350, 10.0790, 43.1270.



This preview shows how white text looks on a background with the YIQ color 50.6350, 10.0790,



# 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

50.6350, 10.0790, 43.1270

### Protanopia

44.6940, -51.4440, 7.2120

### Deuteranopia

44.8590, -47.7750, 1.2890



## Tritanopia

56.7250, 17.1920, 7.8160

# Trichromacy



## Original Color

50.6350, 10.0790, 43.1270

## Protanomaly

47.2180, -29.0720, 20.2720

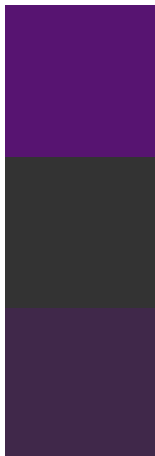
## Deuteranomaly

47.3660, -26.7330, 16.4270

## Tritanomaly

54.3740, 14.3470, 20.8350

# Monochromacy



## Original Color

50.6350, 10.0790, 43.1270

## Achromatopsia

51.0000, -0.0000, -0.0000

## Achromatomaly

51.0520, 3.3900, 15.6620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 50.6350, 10.0790, 43.1270 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(87, 20, 113)` looks like.

```
.text, #text, p{  
    color:rgb(87, 20, 113)  
}
```

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(87, 20, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 20, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 50.6350, 10.0790, 43.1270 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(87, 20, 113) }
```



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

```
.border{ border-color:rgb(87, 20, 113) }
```

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

Here you see how a box with a 4 pixel rgb(87, 20, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 20, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 20, 113);  
box-shadow:4px 4px 4px 4px rgb(87, 20,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 50.6350, 10.0790, 43.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 20, 113) }
```

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

```
.background{ background-color: rgb(87, 20,  
113) }
```

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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