

Converting Colors

YIQ(49.5860, 10.6340, 16.5380)

Have a look what the booklet for
YIQ(49.5860, 10.6340, 16.5380)
contains.

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Color

**YIQ(49.5860, 10.6340,
16.5380)**

Conversions

Conversions Part 1

Format	Color
Hex	462442
RGB	70, 36, 66
RGB Percent	27%, 14%, 26%
CMY	0.7254, 0.8589, 0.7412
CMYK	0.00, 0.49, 0.06, 0.73
HSL	307°, 32%, 21%
HSV	307°, 49%, 27%
XYZ	4.1416, 2.9573, 5.5075
YIQ	49.5860, 10.6340, 16.5380

Conversions

Conversions Part 2

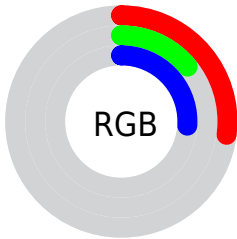
Format	Color
R_{YB}	70, 36, 66
Decimal	4596802
CIE Lab	19.87, 21.32, -12.12
CIE LCh	20, 24.526, 330.394
Yxy	2.9573, 0.3285, 0.2346
Android (android.graphics.Color)	4282786882 (0xFF462442)
YUV	49.5860, 8.0921, 17.9031
Hunter-Lab	17.1969, 12.8941, -6.9506

Details

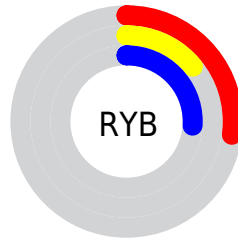
The YIQ color **49.5860, 10.6340, 16.5380** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **56.4140, -10.6340, -16.5380**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.7110, 11.7800, 17.7960**, and **11.4070, 9.5800, 13.6120** is the 20% darker color. If you saturate the color by 10%, you get **45.3630, 12.8800, 19.8880**, and if you desaturate by 10%, it is **53.8090, 8.3880, 13.1880**.

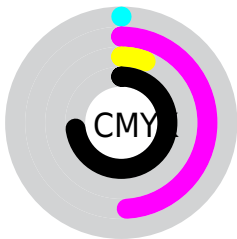
Distribution



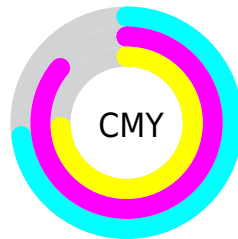
- Red (27%)
- Green (14%)
- Blue (26%)



- Red (27%)
- Yellow (14%)
- Blue (26%)



- Cyan (0%)
- Magenta (49%)
- Yellow (6%)
- Black (73%)



- Cyan (73%)
- Magenta (86%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.5860, 10.6340, 16.5380 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 49.5860, 10.6340, 16.5380 by changing the saturation by 10% instead.

■ 49.5860, 10.6340,
16.5380

■ 49.5860, 10.6340,
16.5380

■ 255.0000, -0.0000,
-0.0000

■ 27.2870, 10.0380,
16.3260

■ 96.7110, 11.7800,
17.7960

■ 11.4070, 9.5800,
13.6120

■ 121.5370, 12.3300,
18.8420

■ 0.0000, 0.0000,
0.0000

■ 147.8360, 12.9260,
19.0540

■ 174.5480, 13.7970,
19.7890

■ 201.9610, 14.0720,
20.3120

■ 229.7760, 13.1550,

20.4110

246.7820, 3.8500,
7.3220

49.5860, 10.6340,
16.5380

49.5860, 10.6340,
16.5380

45.3630, 12.8800,
19.8880

53.8090, 8.3880,
13.1880

41.1400, 15.1260,
23.2380

58.0320, 6.1420,
9.8380

37.0310, 17.0510,
26.8990

62.1410, 4.2170,
6.1770

32.8080, 19.2970,
30.2490

66.3640, 1.9710,
2.8270

28.5850, 21.5430,
33.5990

70.5870, -0.2750,
-0.5230

■ 27.9980, 21.8180,
34.1220

■ 74.8100, -2.5210,
-3.8730

■ 79.0330, -4.7670,
-7.2230

■ 83.2560, -7.0130,
-10.5730

■ 87.3650, -8.9380,
-14.2340

Harmonies

Analogous

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



48.8980, -7.9800, 12.4680



49.5860, 10.6340, 16.5380



48.2900, 23.1510, 15.4630

Triad

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



49.5860, 10.6340, 16.5380



45.9570, 18.7540, -9.4860



40.9830, -36.8610, -9.2850

Complementary

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



49.5860, 10.6340, 16.5380



56.4140, -10.6340, -16.5380

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.



38.9310, -31.0830, -14.8830



49.5860, 10.6340, 16.5380



44.1940, 4.7250, -14.0510

Square

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



49.5860, 10.6340, 16.5380



47.5330, 26.1800, -0.8920



39.8910, -16.4110, -16.4670



40.7040, -40.2090, -3.6730

Rectangle

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



49.5860, 10.6340, 16.5380



47.8080, 27.3240, 11.4200



39.8910, -16.4110, -16.4670



40.2990, -34.9350, -11.1510

Sweetspot

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



49.5860, 10.6340, 16.5380



83.5540, 4.4920, 6.7000



41.0720, -8.5300, 11.4220



41.1900, 2.5210, 3.8730



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



49.5860, 10.6340, 16.5380



60.2050, 16.5010, 25.8530



47.6480, 16.0910, 11.2510



33.5380, 1.4210, 1.7810



39.6330, 30.7560, 48.3560



90.6730, 71.0920, 110.3240

Inverse Universe

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



49.5860, 10.6340, 16.5380



60.2050, 16.5010, 25.8530



58.3520, -16.0910, -11.2510



33.5380, 1.4210, 1.7810



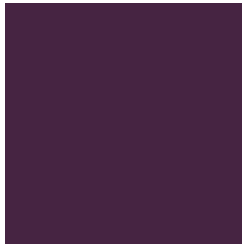
39.6330, 30.7560, 48.3560



90.6730, 71.0920, 110.3240

Previews

White Background



This preview shows how the YIQ color 49.5860, 10.6340, 16.5380 looks on a white background.

Color Contrast Check

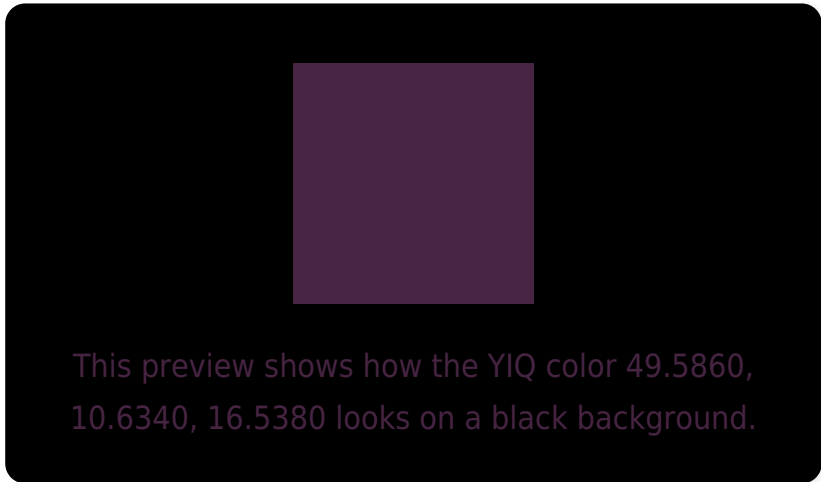
Large Text (above 18pt) WCAG AA ✓ Pass

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

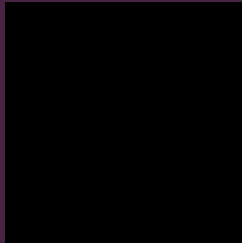
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.5860, 10.6340, 16.5380

Background



This preview shows how black text looks on a background with the YIQ color 49.5860, 10.6340, 16.5380.



This preview shows how white text looks on a background with the YIQ color 49.5860, 10.6340,

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

49.5860, 10.6340, 16.5380

Protanopia

48.3870, -14.0310, 6.4890

Deuteranopia

48.9270, -6.9240, 4.3400



Tritanopia

49.1160, 14.5330, 6.4450

Trichromacy



Original Color

49.5860, 10.6340, 16.5380

Protanomaly

48.9860, -5.4120, 9.9800

Deuteranomaly

49.3840, -0.7810, 8.6510

Tritanomaly

49.1530, 13.1110, 10.1910

Monochromacy



Original Color

49.5860, 10.6340, 16.5380

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8420, 3.6210, 5.9650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.5860, 10.6340, 16.5380 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(70, 36, 66)` looks like.

```
.text, #text, p{  
    color:rgb(70, 36, 66)  
}
```

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(70, 36, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 36, 66) }
```

Border

The CSS property to change the border of an element to YIQ 49.5860, 10.6340, 16.5380 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(70, 36, 66) }
```


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

```
.border{ border-color:rgb(70, 36, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 36, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 36, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 36, 66);  
box-shadow:4px 4px 4px 4px rgb(70, 36, 66)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.5860, 10.6340, 16.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 36, 66) }
```

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

```
.background{ background-color: rgb(70, 36,  
66) }
```

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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