

Converting Colors

YIQ(49.5050, 15.3560, 19.0680)

Have a look what the booklet for
YIQ(49.5050, 15.3560, 19.0680)
contains.

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Color

**YIQ(49.5050, 15.3560,
19.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	4C2141
RGB	76, 33, 65
RGB Percent	30%, 13%, 25%
CMY	0.7018, 0.8706, 0.7451
CMYK	0.00, 0.57, 0.14, 0.70
HSL	315°, 39%, 21%
HSV	315°, 57%, 30%
XYZ	4.4807, 3.0063, 5.3465
YIQ	49.5050, 15.3560, 19.0680

Conversions

Conversions Part 2

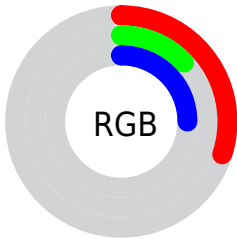
Format	Color
R_{YB}	76, 33, 65
Decimal	4989249
CIE _{Lab}	20.07, 25.15, -11.05
CIE _{LCh}	20, 27.474, 336.285
Yxy	3.0063, 0.3491, 0.2343
Android (android.graphics.Color)	4283179329 (0xFF4C2141)
YUV	49.5050, 7.6390, 23.2361
Hunter-Lab	17.3385, 15.7865, -6.1457




Details

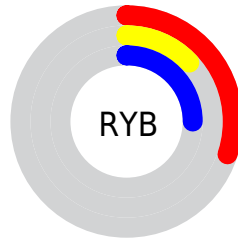
The YIQ color **49.5050, 15.3560, 19.0680** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **59.4950, -15.3560, -19.0680**, and the grayscale version is **49.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **96.9290, 17.0980, 20.5380**, and **12.7880, 12.8810, 14.3610** is the 20% darker color. If you saturate the color by 10%, you get **44.5810, 18.1980, 22.6300**, and if you desaturate by 10%, it is **54.4290, 12.5140, 15.5060**.

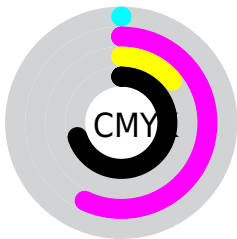
Distribution







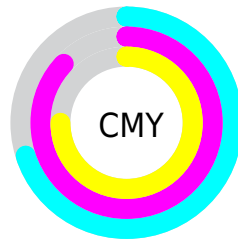
-  Red (30%)
-  Green (13%)
-  Blue (25%)






-  Red (30%)
-  Yellow (13%)
-  Blue (25%)



-  Cyan (0%)
-  Magenta (57%)
-  Yellow (14%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (87%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.5050, 15.3560, 19.0680 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 49.5050, 15.3560, 19.0680 by changing the saturation by 10% instead.

■ 49.5050, 15.3560,
19.0680

■ 49.5050, 15.3560,
19.0680

■ 255.0000, -0.0000,
-0.0000

■ 26.3200, 14.4390,
19.1670

■ 96.9290, 17.0980,
20.5380

■ 12.7880, 12.8810,
14.3610

■ 122.5270, 18.2900,
20.9620

■ 0.0000, 0.0000,
0.0000

■ 148.3530, 18.8400,
22.0080

■ 175.6520, 19.4360,
22.2200

■ 203.0650, 19.7110,
22.7430

■ 228.3740, 14.3470,

20.8350

245.6080, 4.4000,
8.3680

49.5050, 15.3560,
19.0680

49.5050, 15.3560,
19.0680

44.5810, 18.1980,
22.6300

54.4290, 12.5140,
15.5060

40.2440, 20.7650,
25.6690

58.7660, 9.9470,
12.4670

35.3200, 23.6070,
29.2310

63.6900, 7.1050,
8.9050

30.9830, 26.1740,
32.2700

68.0270, 4.5380,
5.8660

29.2220, 26.9990,
33.8390

72.9510, 1.6960,
2.3040

■ 77.8750, -1.1460,
-1.2580

■ 82.2120, -3.7130,
-4.2970

■ 87.1360, -6.5550,
-7.8590

■ 91.4730, -9.1220,
-10.8980

Harmonies

Analogous

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



49.7460, -4.4960, 15.4080



49.5050, 15.3560, 19.0680



47.5680, 28.2400, 16.8480

Triad

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



49.5050, 15.3560, 19.0680



45.4360, 18.6630, -13.3450



42.2540, -39.0620, -7.9420

Complementary

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



49.5050, 15.3560, 19.0680



59.4950, -15.3560, -19.0680

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.



39.9740, -32.6420, -14.1620



49.5050, 15.3560, 19.0680



43.4600, 0.9200, -16.6800

Square

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



49.5050, 15.3560, 19.0680



46.6210, 28.7480, -3.3800



36.9930, -25.6260, -20.1700



41.9750, -42.4100, -2.3300

Rectangle

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



49.5050, 15.3560, 19.0680



46.9610, 31.2670, 11.5470



36.9930, -25.6260, -20.1700



41.5700, -37.1360, -9.8080

Sweetspot

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



49.5050, 15.3560, 19.0680



89.1520, 5.6840, 7.1240



41.1910, -7.2470, 15.7050



44.7880, 3.7130, 4.2970



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



49.5050, 15.3560, 19.0680



57.7330, 23.8820, 29.7540



47.1110, 22.0970, 12.5370



35.5380, 1.4210, 1.7810



39.1620, 36.3960, 45.2600



88.2640, 82.1890, 101.9410

Inverse Universe

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



49.5050, 15.3560, 19.0680



57.7330, 23.8820, 29.7540



61.8890, -22.0970, -12.5370



35.5380, 1.4210, 1.7810



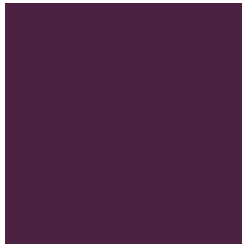
39.1620, 36.3960, 45.2600



88.2640, 82.1890, 101.9410

Previews

White Background



This preview shows how the YIQ color 49.5050, 15.3560, 19.0680 looks on a white background.

Color Contrast Check

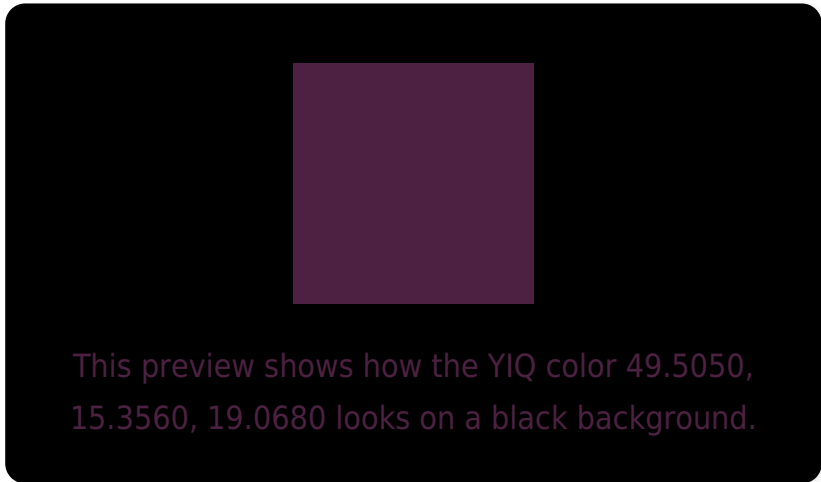
Large Text (above 18pt) WCAG AA ✓ Pass

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

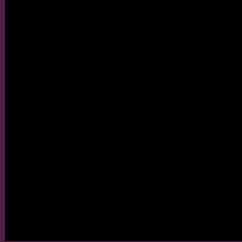
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.5050, 15.3560, 19.0680

Background



This preview shows how black text looks on a background with the YIQ color 49.5050, 15.3560, 19.0680.



This preview shows how white text looks on a background with the YIQ color 49.5050, 15.3560,

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

49.5050, 15.3560, 19.0680

Protanopia

48.6150, -14.6730, 7.1110

Deuteranopia

49.2970, -5.0900, 4.1420



Tritanopia

49.6930, 20.2180, 8.0420

Trichromacy



Original Color

49.5050, 15.3560, 19.0680

Protanomaly

49.1110, -4.2660, 11.2380

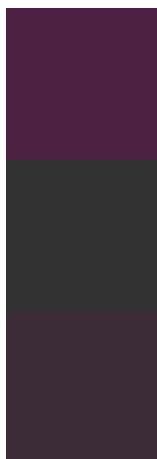
Deuteranomaly

49.7650, 2.5200, 9.4000

Tritanomaly

49.8440, 18.4750, 12.0990

Monochromacy



Original Color

49.5050, 15.3560, 19.0680

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.7390, 5.4090, 6.6010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.5050, 15.3560, 19.0680 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(76, 33, 65)` looks like.

```
.text, #text, p{  
    color:rgb(76, 33, 65)  
}
```

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(76, 33, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 33, 65) }
```

Border

The CSS property to change the border of an element to YIQ 49.5050, 15.3560, 19.0680 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(76, 33, 65) }
```


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

```
.border{ border-color:rgb(76, 33, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 33, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 33, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 33, 65);  
box-shadow:4px 4px 4px 4px rgb(76, 33, 65)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.5050, 15.3560, 19.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 33, 65) }
```

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

```
.background{ background-color: rgb(76, 33,  
65) }
```

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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