

Converting Colors

YIQ(49.3990, 13.1990, 30.6310)

Have a look what the booklet for
YIQ(49.3990, 13.1990, 30.6310)
contains.

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Color

**YIQ(49.3990, 13.1990,
30.6310)**

Conversions

Conversions Part 1

Format	Color
Hex	511A57
RGB	81, 26, 87
RGB Percent	32%, 10%, 34%
CMY	0.6822, 0.8981, 0.6588
CMYK	0.07, 0.70, 0.00, 0.66
HSL	294°, 54%, 22%
HSV	294°, 70%, 34%
XYZ	5.4863, 3.1771, 9.3412
YIQ	49.3990, 13.1990, 30.6310

Conversions

Conversions Part 2

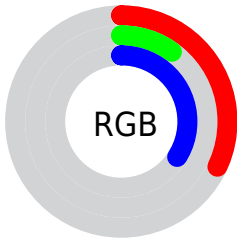
Format	Color
R_{YB}	81, 26, 87
Decimal	5315159
CIE _{Lab}	20.74, 34.87, -24.86
CIE _{LCh}	21, 42.829, 324.511
Yxy	3.1771, 0.3047, 0.1765
Android (android.graphics.Color)	4283505239 (0xFF511A57)
YUV	49.3990, 18.5373, 27.7141
Hunter-Lab	17.8246, 23.7481, -18.5945

Details

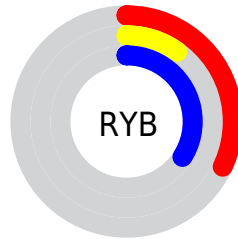
The YIQ color **49.3990, 13.1990, 30.6310** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **63.6010, -13.1990, -30.6310**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.5240, 14.3450, 31.8890**, and **15.8510, 8.5700, 20.9060** is the 20% darker color. If you saturate the color by 10%, you get **43.8170, 15.0780, 35.1260**, and if you desaturate by 10%, it is **54.9810, 11.3200, 26.1360**.

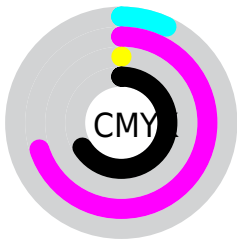
Distribution



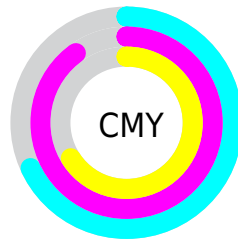
- Red (32%)
- Green (10%)
- Blue (34%)



- Red (32%)
- Yellow (10%)
- Blue (34%)



- Cyan (7%)
- Magenta (70%)
- Yellow (0%)
- Black (66%)



- Cyan (68%)
- Magenta (90%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.3990, 13.1990, 30.6310 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 49.3990, 13.1990, 30.6310 by changing the saturation by 10% instead.

49.3990, 13.1990,
30.6310

49.3990, 13.1990,
30.6310

255.0000, -0.0000,
-0.0000

24.2250, 13.7490,
31.6770

98.5240, 14.3450,
31.8890

15.8510, 8.5700,
20.9060

124.3500, 14.8950,
32.9350

2.7530, -6.3740,
5.3860

151.0620, 15.7660,
33.6700

0.0000, 0.0000,
0.0000


177.8880, 16.3160,
34.7160


206.1870, 16.9120,
34.9280


226.2370, 13.4750,


25.6270


 243.2600, 5.5000,
10.4600


 49.3990, 13.1990,
30.6310


 49.3990, 13.1990,
30.6310

 43.8170, 15.0780,
35.1260


 54.9810, 11.3200,
26.1360


 38.8220, 16.6820,
39.0980

 59.9760, 9.7160,
22.1640

 33.5390, 19.1570,
43.8050

 65.5580, 7.8370,
17.6690

 70.8410, 5.3620,
12.9620

 75.8360, 3.7580,
8.9900

■ 81.4180, 1.8790,
4.4950

■ 87.0000, -0.0000,
-0.0000

■ 92.5820, -1.8790,
-4.4950

■ 97.5770, -3.4830,
-8.4670

Harmonies

Analogous

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



47.1100, -28.8880, 16.9360



49.3990, 13.1990, 30.6310



39.6320, 40.5240, 36.5240

Triad

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



49.3990, 13.1990, 30.6310



47.6220, 27.0070, -10.3770



45.5310, -41.4000, -9.6240

Complementary

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



49.3990, 13.1990, 30.6310



63.6010, -13.1990, -30.6310

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.



41.8830, -31.1280, -19.5760



49.3990, 13.1990, 30.6310



44.2340, 7.2480, -21.2320

Square

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



49.3990, 13.1990, 30.6310



45.6940, 44.8400, 2.3440



36.7190, -19.3430, -29.4150



47.9080, -49.4710, -1.0150

Rectangle

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



49.3990, 13.1990, 30.6310



38.1350, 49.0530, 30.6290



36.7190, -19.3430, -29.4150



44.3910, -38.1900, -12.7340

Sweetspot

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



49.3990, 13.1990, 30.6310



97.9010, 5.1330, 11.6050



36.4760, -21.2310, 15.8330



47.4830, 3.2540, 7.1100



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



49.3990, 13.1990, 30.6310



54.1310, 20.4860, 47.2540



48.4570, 24.4790, 24.4390



40.6520, 1.1000, 2.0920



41.2010, 23.4650, 53.8410



90.1780, 50.9170, 118.0290

Inverse Universe

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



44.9230, 34.4300, 14.7980



47.1320, 53.1350, 22.7270



64.5430, -24.4790, -24.4390



40.1960, 2.3840, 0.8480



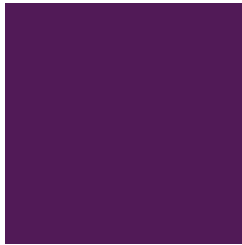
33.1330, 60.5620, 25.7940



72.8870, 132.6770, 56.9730

Previews

White Background



This preview shows how the YIQ color 49.3990, 13.1990, 30.6310 looks on a white background.

Color Contrast Check

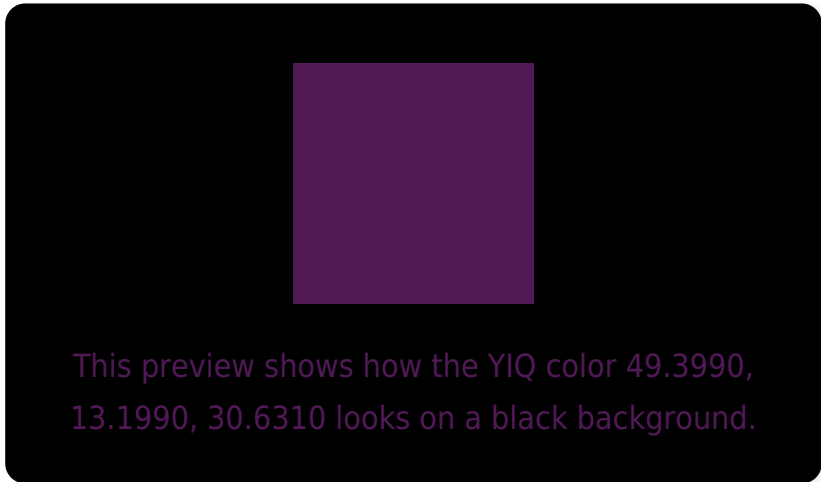
Large Text (above 18pt) WCAG AA ✓ Pass

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

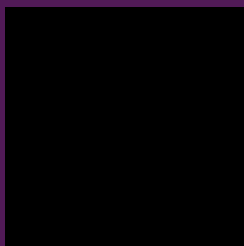
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.3990, 13.1990, 30.6310

Background



This preview shows how black text looks on a background with the YIQ color 49.3990, 13.1990, 30.6310.



This preview shows how white text looks on a background with the YIQ color 49.3990, 13.1990,

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

49.3990, 13.1990, 30.6310

Protanopia

40.7330, -47.1800, 7.0280

Deuteranopia

48.9670, -21.5960, 5.9240



Tritanopia

51.8070, 19.8970, 8.3530

Trichromacy



Original Color

49.3990, 13.1990, 30.6310

Protanomaly

43.9100, -25.4490, 15.1830

Deuteranomaly

49.1800, -8.7140, 14.7580

Tritanomaly

51.2940, 17.3280, 16.3680

Monochromacy



Original Color

49.3990, 13.1990, 30.6310

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.4880, 4.8580, 11.0820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.3990, 13.1990, 30.6310 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, 26, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 26, 87)  
}
```

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, 26, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 26, 87) }
```

Border

The CSS property to change the border of an element to YIQ 49.3990, 13.1990, 30.6310 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, 26, 87) }
```


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

```
.border{ border-color:rgb(81, 26, 87) }
```

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

Here you see how a box with a 4 pixel rgb(81, 26, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 26, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 26, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 26, 87)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.3990, 13.1990, 30.6310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 26, 87) }
```

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

```
.background{ background-color: rgb(81, 26,  
87) }
```

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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