

Converting Colors

YIQ(99.5610, 31.2590, 55.7630)

Have a look what the booklet for
YIQ(99.5610, 31.2590, 55.7630)
contains.

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Color

**YIQ(99.5610, 31.2590,
55.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	A437A0
RGB	164, 55, 160
RGB Percent	64%, 22%, 63%
CMY	0.3565, 0.7845, 0.3725
CMYK	0.00, 0.67, 0.02, 0.36
HSL	302°, 50%, 43%
HSV	302°, 67%, 64%
XYZ	23.0371, 13.1678, 34.5902
YIQ	99.5610, 31.2590, 55.7630

Conversions

Conversions Part 2

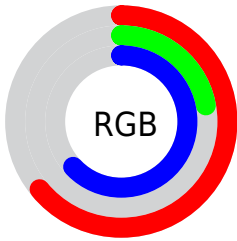
Format	Color
RYB	164, 55, 160
Decimal	10762144
CIELab	43.02, 57.37, -34.72
CIElCh	43, 67.057, 328.820
Yxy	13.1678, 0.3254, 0.1860
Android (android.graphics.Color)	4288952224 (0xFFA437A0)
YUV	99.5610, 29.7964, 56.5130
Hunter-Lab	36.2875, 49.8174, -31.1155

Details

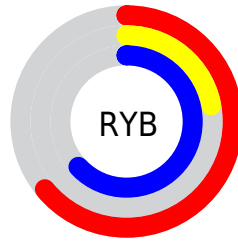
The YIQ color **99.5610, 31.2590, 55.7630** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **119.4390, -31.2590, -55.7630**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **155.4580, 33.0470, 56.3990**, and **44.9030, 30.2960, 56.6960** is the 20% darker color. If you saturate the color by 10%, you get **90.0550, 35.9800, 63.8200**, and if you desaturate by 10%, it is **109.0670, 26.5380, 47.7060**.

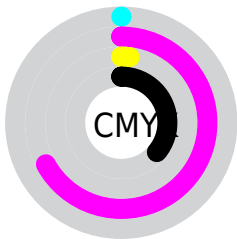
Distribution



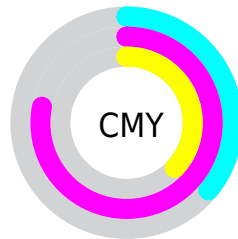
- Red (64%)
- Green (22%)
- Blue (63%)



- Red (64%)
- Yellow (22%)
- Blue (63%)



- Cyan (0%)
- Magenta (67%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (78%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.5610, 31.2590, 55.7630 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 99.5610, 31.2590, 55.7630 by changing the saturation by 10% instead.

■ 99.5610, 31.2590,
55.7630

■ 99.5610, 31.2590,
55.7630

■ 255.0000, -0.0000,
-0.0000

■ 68.8540, 31.9920,
59.0000

■ 155.4580, 33.0470,
56.3990

■ 44.9030, 30.2960,
56.6960

■ 183.8710, 33.3220,
56.9220

■ 33.9800, 22.2290,
43.1970

■ 202.7570, 24.4750,
46.5470

■ 23.8830, 14.7120,
30.7440

■ 219.1930, 16.7750,
31.9030

■ 13.1880, 6.0030,
17.8670

■ 236.2160, 8.8000,
16.7360

■ 2.0690, -4.4480,
3.5200

■ 253.2390, 0.8250,

■ 0.0000, 0.0000,

1.5690

0.0000

■ 99.5610, 31.2590,
55.7630

■ 99.5610, 31.2590,
55.7630

■ 90.0550, 35.9800,
63.8200

■ 109.0670, 26.5380,
47.7060

■ 80.0760, 40.6550,
72.7110

■ 119.0460, 21.8630,
38.8150

■ 70.5700, 45.3760,
80.7680

■ 128.5520, 17.1420,
30.7580

■ 67.0480, 47.0260,
83.9060

■ 138.5310, 12.4670,
21.8670

■ 148.0370, 7.7460,
13.8100

■ 157.5430, 3.0250,
5.7530

■ 167.5220, -1.6500,
-3.1380

■ 177.0280, -6.3710,
-11.1950

■ 187.1210,
-11.3670, -19.7750

Harmonies

Analogous

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



100.7680, -35.9520, 34.8320



99.5610, 31.2590, 55.7630



83.5910, 75.2730, 62.0650

Triad

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



99.5610, 31.2590, 55.7630



95.7870, 47.8710, -25.0650



90.9310, -83.8090, -17.4810

Complementary

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



99.5610, 31.2590, 55.7630



119.4390, -31.2590, -55.7630

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.



84.5470, -65.8330, -34.8970



99.5610, 31.2590, 55.7630



87.8480, 10.3700, -44.7820

Square

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



99.5610, 31.2590, 55.7630



93.9580, 78.9070, -3.8210



75.3590, -45.4730, -51.4650



93.4850, -96.5120, -2.0160

Rectangle

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



99.5610, 31.2590, 55.7630



84.1940, 86.0960, 47.6320



75.3590, -45.4730, -51.4650



88.8790, -78.0310, -23.0790

Sweetspot

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



99.5610, 31.2590, 55.7630



188.6450, 12.1460, 22.1780



68.6220, -32.6050, 34.7470



91.6240, 7.4710, 13.2870



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



99.5610, 31.2590, 55.7630



112.9390, 48.9510, 87.5670



93.4050, 48.5930, 38.9690



76.6030, 2.7960, 4.3960



59.3150, 41.4800, 74.2800



7.3200, 5.2710, 9.1030

Inverse Universe

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



99.5610, 31.2590, 55.7630



112.9390, 48.9510, 87.5670



125.5950, -48.5930, -38.9690



76.6030, 2.7960, 4.3960



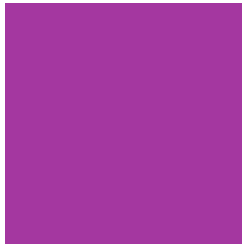
59.3150, 41.4800, 74.2800



7.3200, 5.2710, 9.1030

Previews

White Background



This preview shows how the YIQ color 99.5610, 31.2590, 55.7630 looks on a white background.

Color Contrast Check

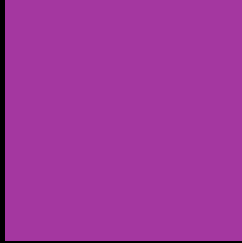
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 99.5610, 31.2590, 55.7630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

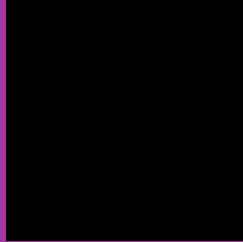
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 99.5610, 31.2590, 55.7630

Background



This preview shows how black text looks on a background with the YIQ color 99.5610, 31.2590, 55.7630.



This preview shows how white text looks on a background with the YIQ color 99.5610, 31.2590,

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

99.5610, 31.2590, 55.7630

Protanopia

92.9870, -67.9060, 19.2140

Deuteranopia

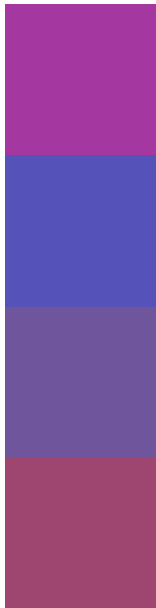
101.2360, -29.4830, 11.1970



Tritanopia

102.0060, 44.5620, 18.4020

Trichromacy



Original Color

99.5610, 31.2590, 55.7630

Protanomaly

95.3400, -31.8710, 32.4570

Deuteranomaly

100.8680, -7.2950, 27.5930

Tritanomaly

101.3990, 39.5620, 31.9300

Monochromacy



Original Color

99.5610, 31.2590, 55.7630

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

99.9930, 11.0460, 20.0860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.5610, 31.2590, 55.7630 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(164, 55, 160)` looks like.

```
.text, #text, p{  
    color:rgb(164, 55, 160)  
}
```

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(164, 55, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 55, 160) }
```

Border

The CSS property to change the border of an element to YIQ 99.5610, 31.2590, 55.7630 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(164, 55, 160) }
```


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

```
.border{ border-color:rgb(164, 55, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 55, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 55, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 55, 160);  
box-shadow:4px 4px 4px 4px rgb(164, 55,  
160) }
```

Background

The CSS property to change the background color of an element to YIQ 99.5610, 31.2590, 55.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 55, 160) }
```

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

```
.background{ background-color: rgb(164, 55,  
160) }
```

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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