

Converting Colors

YIQ(31.6950, 44.2400, 24.2400)

Have a look what the booklet for
YIQ(31.6950, 44.2400, 24.2400)
contains.

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Color

**YIQ(31.6950, 44.2400,
24.2400)**

Conversions

Conversions Part 1

Format	Color
Hex	590418
RGB	89, 4, 24
RGB Percent	35%, 2%, 9%
CMY	0.6508, 0.9844, 0.9057
CMYK	0.00, 0.96, 0.73, 0.65
HSL	346°, 91%, 18%
HSV	346°, 96%, 35%
XYZ	4.3334, 2.2787, 1.0778
YIQ	31.6950, 44.2400, 24.2400

Conversions

Conversions Part 2

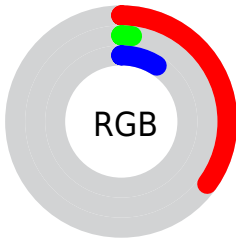
Format	Color
R_{YB}	89, 4, 24
Decimal	5833752
CIE Lab	16.89, 36.87, 13.76
CIE LCh	17, 39.351, 20.465
Yxy	2.2787, 0.5635, 0.2963
Android (android.graphics.Color)	4284023832 (0xFF590418)
YUV	31.6950, -3.7936, 50.2565
Hunter-Lab	15.0955, 24.8243, 6.3335

Details

The YIQ color **31.6950, 44.2400, 24.2400** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **61.3050, -44.2400, -24.2400**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.2130, 48.4130, 20.1970**, and **11.1770, 21.7310, 8.1550** is the 20% darker color. If you saturate the color by 10%, you get **29.0050, 46.3030, 25.3990**, and if you desaturate by 10%, it is **37.7760, 39.5180, 21.7100**.

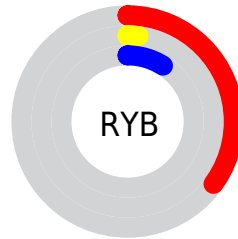
Distribution



Red (35%)

Green (2%)

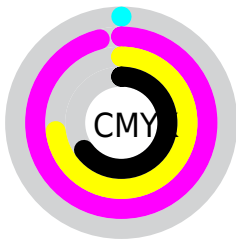
Blue (9%)



Red (35%)

Yellow (2%)

Blue (9%)

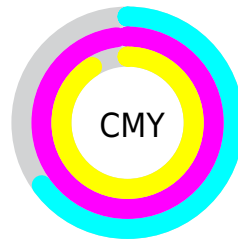


Cyan (0%)

Magenta (96%)

Yellow (73%)

Black (65%)



Cyan (65%)


Magenta (98%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 31.6950, 44.2400, 24.2400 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 31.6950, 44.2400, 24.2400 by changing the saturation by 10% instead.


 31.6950, 44.2400,
24.2400


 31.6950, 44.2400,
24.2400

 249.7340, 3.8050,
2.6290


 18.8370, 37.5480,
13.3560


 85.3270, 48.0920,
20.5080


 11.1770, 21.7310,
8.1550

 111.2950, 51.1180,
20.7340

 0.0000, 0.0000,
0.0000


 137.9640, 53.5480,
20.7480


 164.8610, 55.3360,
21.3840


 190.8500, 53.8690,
20.4370


 209.7770, 37.7770,


14.7130


 229.9920, 20.8140,
8.2540


 31.6950, 44.2400,
24.2400


 31.6950, 44.2400,
24.2400


 29.0050, 46.3030,
25.3990

 37.7760, 39.5180,
21.7100

 43.8570, 34.7960,
19.1800

 49.8240, 30.3950,
16.3390

 55.9050, 25.6730,
13.8090

 61.3990, 21.2260,
11.8020

■ 67.4800, 16.5040,
9.2720

■ 73.5610, 11.7820,
6.7420

■ 79.5280, 7.3810,
3.9010

■ 85.6090, 2.6590,
1.3710

Harmonies

Analogous

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



33.4030, 33.7390, 32.8350



31.6950, 44.2400, 24.2400



37.4210, 41.3550, 4.9310

Triad

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



31.6950, 44.2400, 24.2400



29.9370, -14.0250, -26.6730



39.3480, -44.6580, 5.3740

Complementary

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



31.6950, 44.2400, 24.2400



61.3050, -44.2400, -24.2400

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.



40.2140, -41.5850, -0.7610



31.6950, 44.2400, 24.2400



34.6450, -24.5260, -18.0780

Square

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



31.6950, 44.2400, 24.2400



37.4670, 8.2100, -16.6380



38.0650, -34.1560, -8.7480



35.2290, -36.7730, 11.1550

Rectangle

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



31.6950, 44.2400, 24.2400



39.4040, 30.8570, -3.0550



38.0650, -34.1560, -8.7480



40.1800, -44.2450, 3.3950

Sweetspot

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



31.6950, 44.2400, 24.2400



92.0780, 17.6960, 9.6960



32.8260, 10.8590, 40.0030



44.8490, 10.9110, 6.0070



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



31.6950, 44.2400, 24.2400



37.4630, 59.8730, 32.7770



41.7420, 44.8850, 7.0370



40.3100, 2.0630, 1.1590



34.8430, 55.7470, 30.4590



76.5350, 122.4050, 66.9250

Inverse Universe

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



31.6950, 44.2400, 24.2400



37.4630, 59.8730, 32.7770



51.2580, -44.8850, -7.0370



40.3100, 2.0630, 1.1590



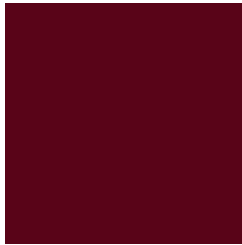
34.8430, 55.7470, 30.4590



76.5350, 122.4050, 66.9250

Previews

White Background



This preview shows how the YIQ color 31.6950, 44.2400, 24.2400 looks on a white background.

Color Contrast Check

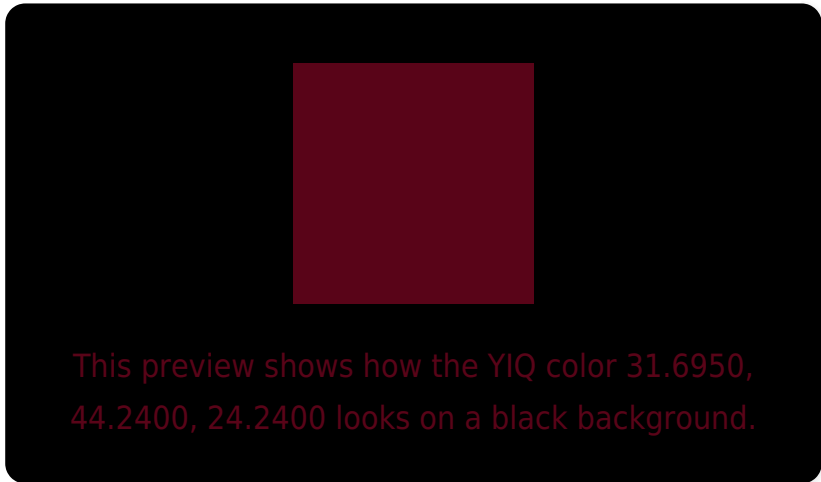
Large Text (above 18pt) WCAG AA ✓ Pass

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

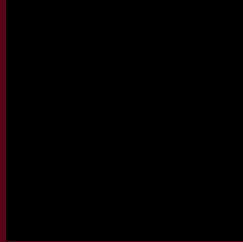
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.6950, 44.2400, 24.2400

Background



This preview shows how black text looks on a background with the YIQ color 31.6950, 44.2400, 24.2400.



This preview shows how white text looks on a background with the YIQ color 31.6950, 44.2400,

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

31.6950, 44.2400, 24.2400

Protanopia

44.8710, 4.6770, -2.1630

Deuteranopia

44.1510, 15.4520, -4.7080



Tritanopia

33.3930, 47.7260, 16.1260

Trichromacy



Original Color

31.6950, 44.2400, 24.2400

Protanomaly

40.0950, 19.0260, 7.6180

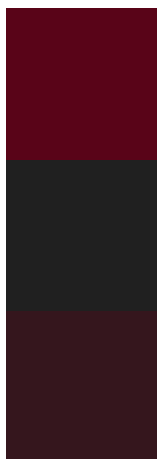
Deuteranomaly

39.7490, 25.8120, 5.7800

Tritanomaly

32.9030, 46.3500, 19.0380

Monochromacy



Original Color

31.6950, 44.2400, 24.2400

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

32.0670, 16.2290, 8.7490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.6950, 44.2400, 24.2400 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(89, 4, 24)` looks like.

```
.text, #text, p{  
    color:rgb(89, 4, 24)  
}
```

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(89, 4, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 4, 24) }
```

Border

The CSS property to change the border of an element to YIQ 31.6950, 44.2400, 24.2400 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(89, 4, 24) }
```


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

```
.border{ border-color:rgb(89, 4, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 4, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 4, 24); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 4, 24); box-shadow:4px  
4px 4px 4px rgb(89, 4, 24) }
```

Background

The CSS property to change the background color of an element to YIQ 31.6950, 44.2400, 24.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 4, 24) }
```

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

```
.background{ background-color: rgb(89, 4,  
24) }
```

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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