Converting Colors

YIQ(32.7930, 50.0160, 29.6960)

Have a look what the booklet for YIQ(32.7930, 50.0160, 29.6960) contains.

Color

YIQ(32.7930, 50.0160, 29.6960)

Conversions

Format	Color
Hex	63001C
RGB	99, 0, 28
RGB Percent	39%, 0%, 11%
CMY	0.6115, 1.0000, 0.8900
CMYK	0.00, 1.00, 0.72, 0.61
HSL	343°, 100%, 19%
HSV	343°, 100%, 39%
XYZ	5.3628, 2.7403, 1.3477
YIQ	32.7930, 50.0160, 29.6960

Conversions Part 1

Conversions

Conversions Part 2

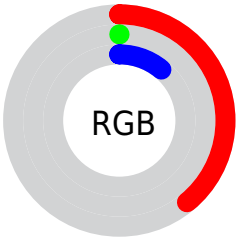
Format	Color
RYB	99, 0, 28
Decimal	6488092
CIELab	18.97, 41.03, 14.03
CIELCh	19, 43.363, 18.882
Yxy	2.7403, 0.5674, 0.2900
Android (android.graphics.Color)	4284678172 (0xFF63001C)
YUV	32.7930, -2.3629, 58.0635
Hunter-Lab	16.5540, 28.8569, 6.7607

Details

The YIQ color 32.7930, 50.0160, 29.6960 is a dark color, and the websafe version is hex 660033. A complement of this color would be 66.2070, -50.0160, -29.6960, and the grayscale version is 33.0000, -0.0000, -0.0000.

A 20% lighter version of the original color is 89.0720, 53.3640, 24.0840, and 14.2810, 27.3700, 10.5860 is the 20% darker color. If you saturate the color by 10%, you get 32.7930, 50.0160, 29.6960, and if you desaturate by 10%, it is 39.4610, 45.0190, 26.6430.

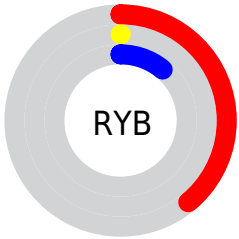
Distribution



Red (39%)

Green (0%)

Blue (11%)



Red (39%)

Yellow (0%)

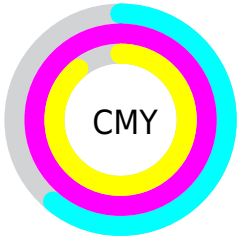
Blue (11%)

Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 32.7930, 50.0160, 29.6960 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 32.7930, 50.0160, 29.6960 by changing the saturation by 10% instead.

32.7930, 50.0160, 29.6960

32.7930, 50.0160, 29.6960

252.0650, 1.3750, 2.6150

21.6420, 42.5910, 15.5750

89.0720, 53.3640, 24.0840

14.5800, 27.9660, 10.7980

115.7410, 55.7940, 24.0980

0.0000, 0.0000, 0.0000

142.7090, 58.8200, 24.3240

170.4920, 60.9290, 24.6490

192.5940, 51.7140, 20.9460

212.2220, 35.0260,

15.0100

231.8500, 18.3380, 9.0740

32.7930, 50.0160, 29.6960

39.4610, 45.0190, 26.6430

46.1290, 40.0220, 23.5900

52.7970, 35.0250, 20.5370

59.4650, 30.0280, 17.4840

66.2470, 24.7100, 14.7420

72.3280, 19.9880, 12.2120

78.9960, 14.9910, 9.1590

85.6640, 9.9940, 6.1060

92.3320, 4.9970, 3.0530

Harmonies

Analogous

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

35.1310, 37.6810, 38.4890

32.7930, 50.0160, 29.6960

40.6990, 46.4440, 6.3160

Triad

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

32.7930, 50.0160, 29.6960

32.8720, -15.4000, -29.2880

44.1240, -49.8390, 5.6570

Complementary

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

32.7930, 50.0160, 29.6960

66.2070, -50.0160, -29.6960

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.

44.7620, -46.1240, -1.1000

32.7930, 50.0160, 29.6960

37.8080, -26.5430, -20.0710

Square

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

32.7930, 50.0160, 29.6960

41.8970, 9.8150, -18.1930

42.1570, -37.4110, -10.3310

37.4390, -46.1720, 10.7880

Rectangle

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

32.7930, 50.0160, 29.6960

43.8560, 35.3960, -2.7160

42.1570, -37.4110, -10.3310

44.8420, -49.1050, 3.3670

Sweetspot

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

32.7930, 50.0160, 29.6960

103.9150, 19.7130, 11.6890

32.5150, 10.5370, 45.8410

49.9740, 12.0570, 7.2650

194.0000, -0.0000, 0.0000

66.0000, -0.0000, -0.0000

Same Dimension

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

32.7930, 50.0160, 29.6960

43.0880, 65.6030, 39.0670

41.9280, 53.2290, 10.0050

45.3100, 2.0630, 1.1590

37.1360, 56.4800, 33.6960

79.5120, 121.2120, 72.0280

Inverse Universe

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

32.7930, 50.0160, 29.6960

43.0880, 65.6030, 39.0670

57.0720, -53.2290, -10.0050

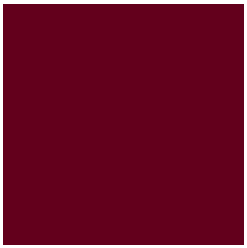
45.3100, 2.0630, 1.1590

37.1360, 56.4800, 33.6960

79.5120, 121.2120, 72.0280

Previews

White Background

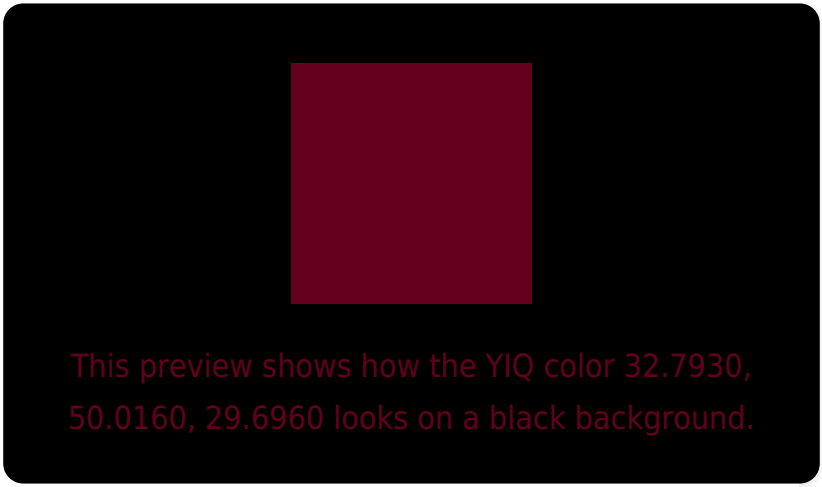


This preview shows how the YIQ color 32.7930, 50.0160, 29.6960 looks on a white background.

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

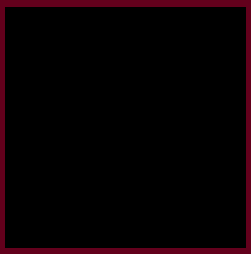


Color Contrast Check

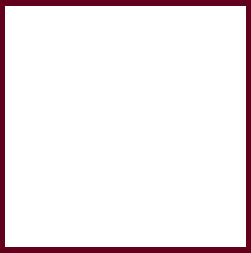
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

YIQ 32.7930, 50.0160, 29.6960 Background



This preview shows how black text looks on a background with the YIQ color 32.7930, 50.0160, 29.6960.



This preview shows how white text looks on a background with the YIQ color 32.7930, 50.0160,

29.6960.

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

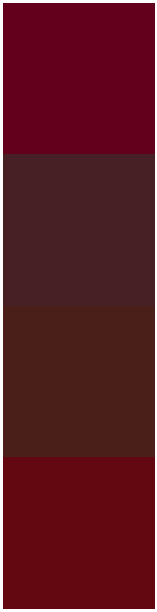
Original Color
32.7930, 50.0160, 29.6960

Protanopia
49.9850, 4.3560, -1.8520

Deuteranopia
49.3360, 16.3690, -4.8070

Tritanopia
37.0840, 53.0900, 18.0340

Trichromacy



Original Color
32.7930, 50.0160, 29.6960

Protanomaly
43.9320, 21.0430, 9.6110

Deuteranomaly
43.4720, 28.1500, 7.4620

Tritanomaly
35.5340, 51.9430, 22.3030

Monochromacy

Original Color
32.7930, 50.0160, 29.6960

Achromatopsia
33.0000, -0.0000, -0.0000

Achromatomaly
32.9040, 18.2460, 10.7420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 32.7930, 50.0160, 29.6960 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(99, 0, 28) looks like.

```
.text, #text, p{
    color:rgb(99, 0, 28)
}
```

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(99, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 28) }
```

Border

The CSS property to change the border of an element to YIQ 32.7930, 50.0160, 29.6960 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(99, 0, 28) }
```

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

```
.border{ border-color:rgb(99, 0, 28) }
```

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

Here you see how a box with a 4 pixel rgb(99, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 0, 28); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 0, 28); box-shadow:4px 4px 4px 4px rgb(99, 0, 28) }
```

Background

The CSS property to change the background color of an element to YIQ 32.7930, 50.0160, 29.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(99, 0, 28) }
```

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

```
.background{ background-color:rgb(99, 0,
28) }
```

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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