

Converting Colors

YIQ(34.3500, 32.0900, 24.1700)

Have a look what the booklet for
YIQ(34.3500, 32.0900, 24.1700)
contains.

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Color

**YIQ(34.3500, 32.0900,
24.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	500A28
RGB	80, 10, 40
RGB Percent	31%, 4%, 16%
CMY	0.6861, 0.9609, 0.8430
CMYK	0.00, 0.88, 0.50, 0.69
HSL	334°, 78%, 18%
HSV	334°, 88%, 31%
XYZ	3.8039, 2.0774, 2.2103
YIQ	34.3500, 32.0900, 24.1700

Conversions

Conversions Part 2

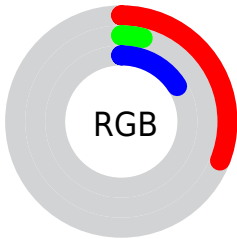
Format	Color
RYB	80, 10, 40
Decimal	5245480
CIELab	15.89, 33.58, 0.42
CIELCh	16, 33.582, 0.718
Yxy	2.0774, 0.4701, 0.2567
Android (android.graphics.Color)	4283435560 (0xFF500A28)
YUV	34.3500, 2.7854, 40.0350
Hunter-Lab	14.4130, 21.8874, 0.9966

Details

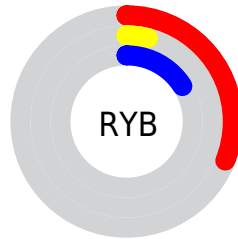
The YIQ color **34.3500, 32.0900, 24.1700** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **55.6500, -32.0900, -24.1700**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **85.2640, 35.2080, 22.7280**, and **8.7850, 16.9630, 6.4590** is the 20% darker color. If you saturate the color by 10%, you get **29.0840, 35.8950, 26.7990**, and if you desaturate by 10%, it is **39.6160, 28.2850, 21.5410**.

Distribution



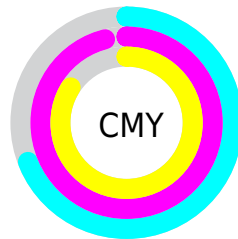
- Red (31%)
- Green (4%)
- Blue (16%)



- Red (31%)
- Yellow (4%)
- Blue (16%)



- Cyan (0%)
- Magenta (88%)
- Yellow (50%)
- Black (69%)





- Cyan (69%)
- Magenta (96%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 34.3500, 32.0900, 24.1700 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 34.3500, 32.0900, 24.1700 by changing the saturation by 10% instead.


 34.3500, 32.0900,
24.1700

 34.3500, 32.0900,
24.1700


 250.8910, 1.9250,
3.6610

 18.6110, 26.6810,
17.5690


 85.2640, 35.2080,
22.7280


 8.7850, 16.9630,
6.4590

 110.7480, 36.7210,
22.8410

 0.0000, 0.0000,
0.0000

 136.6450, 38.5090,
23.4770

 163.6560, 39.9760,
24.4240

 191.1400, 41.4890,
24.5370

 212.8720, 30.4400,

21.0320

■ 233.2010, 13.1560,
14.8840

■ 34.3500, 32.0900,
24.1700

■ 34.3500, 32.0900,
24.1700

■ 29.0840, 35.8950,
26.7990

■ 39.6160, 28.2850,
21.5410

■ 27.7960, 36.7660,
27.5340

■ 44.7680, 24.8010,
18.6010

■ 50.0340, 20.9960,
15.9720

■ 55.1860, 17.5120,
13.0320

■ 60.4520, 13.7070,
10.4030

■ 65.6040, 10.2230,
7.4630

■ 70.8700, 6.4180,
4.8340

■ 76.1360, 2.6130,
2.2050

■ 81.2880, -0.8710,
-0.7350

Harmonies

Analogous

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



39.2540, 14.8050, 23.5490



34.3500, 32.0900, 24.1700



34.8370, 37.5480, 13.3560

Triad

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



34.3500, 32.0900, 24.1700



34.4880, 3.7170, -17.8110



37.4100, -39.2010, 0.0870

Complementary

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



34.3500, 32.0900, 24.1700



55.6500, -32.0900, -24.1700

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.



36.5320, -33.9730, -6.5570



34.3500, 32.0900, 24.1700



29.7720, -17.6940, -20.7500

Square

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



34.3500, 32.0900, 24.1700



37.8430, 19.0750, -9.7970



33.7960, -26.2690, -14.0210



34.6860, -39.7980, 5.4020

Rectangle

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



34.3500, 32.0900, 24.1700



36.5020, 36.6330, 2.4010



33.7960, -26.2690, -14.0210



37.4270, -37.8710, -1.9910

Sweetspot

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



34.3500, 32.0900, 24.1700



86.7400, 12.8360, 9.6680



29.9400, 1.3700, 30.2500



42.8810, 7.8850, 5.7810



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



34.3500, 32.0900, 24.1700



36.5250, 48.1350, 36.2550



33.8650, 40.3450, 12.2250



38.3100, 2.0630, 1.1590



80.7680, 106.1720, 80.2840

Inverse Universe

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



34.3500, 32.0900, 24.1700



36.5250, 48.1350, 36.2550



56.1350, -40.3450, -12.2250



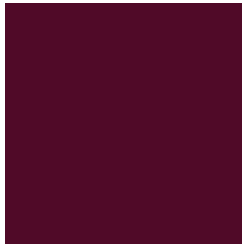
38.3100, 2.0630, 1.1590



80.7680, 106.1720, 80.2840

Previews

White Background



This preview shows how the YIQ color 34.3500, 32.0900, 24.1700 looks on a white background.

Color Contrast Check

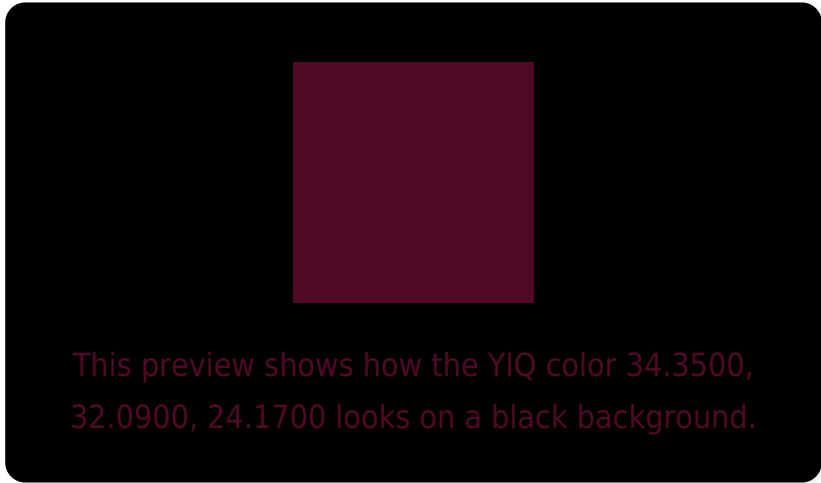
Large Text (above 18pt) WCAG AA ✓ Pass

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

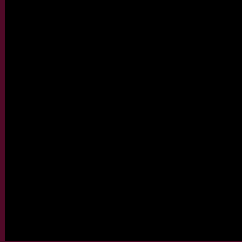
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 34.3500, 32.0900, 24.1700

Background



This preview shows how black text looks on a background with the YIQ color 34.3500, 32.0900, 24.1700.



This preview shows how white text looks on a background with the YIQ color 34.3500, 32.0900,

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

34.3500, 32.0900, 24.1700

Protanopia

42.5140, -7.1990, 3.8170

Deuteranopia

42.6370, 5.4560, 0.2400



Tritanopia

36.2390, 36.3560, 12.9320

Trichromacy



Original Color

34.3500, 32.0900, 24.1700

Protanomaly

39.2710, 6.9670, 11.4070

Deuteranomaly

39.8820, 15.3120, 8.8480

Tritanomaly

35.3900, 34.6130, 16.9890

Monochromacy



Original Color

34.3500, 32.0900, 24.1700

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

34.0280, 11.9650, 8.9330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 34.3500, 32.0900, 24.1700 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(80, 10, 40)` looks like.

```
.text, #text, p{  
    color:rgb(80, 10, 40)  
}
```

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(80, 10, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 10, 40) }
```

Border

The CSS property to change the border of an element to YIQ 34.3500, 32.0900, 24.1700 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(80, 10, 40) }
```

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

```
.border{ border-color:rgb(80, 10, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 10, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 10, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 10, 40);  
box-shadow:4px 4px 4px 4px rgb(80, 10, 40)  
}
```

Background

The CSS property to change the background color of an element to YIQ 34.3500, 32.0900, 24.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 10, 40) }
```

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

```
.background{ background-color: rgb(80, 10,  
40) }
```

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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