

Converting Colors

YIQ(39.8420, -4.4060, 24.7940)

Have a look what the booklet for
YIQ(39.8420, -4.4060, 24.7940)
contains.

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Color

**YIQ(39.8420, -4.4060,
24.7940)**

Conversions

Conversions Part 1

Format	Color
Hex	331957
RGB	51, 25, 87
RGB Percent	20%, 10%, 34%
CMY	0.7999, 0.9020, 0.6589
CMYK	0.41, 0.71, 0.00, 0.66
HSL	265°, 55%, 22%
HSV	265°, 71%, 34%
XYZ	3.4335, 2.0871, 9.2351
YIQ	39.8420, -4.4060, 24.7940

Conversions

Conversions Part 2

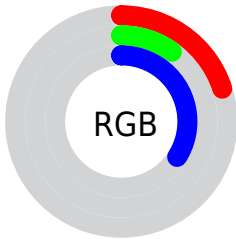
Format	Color
R_{YB}	51, 25, 87
Decimal	3348823
CIE _{Lab}	15.94, 27.62, -32.81
CIE _{LCh}	16, 42.888, 310.096
Yxy	2.0871, 0.2327, 0.1414
Android (android.graphics.Color)	4281538903 (0xFF331957)
YUV	39.8420, 23.2489, 9.7856
Hunter-Lab	14.4469, 17.1416, -27.7882

Details

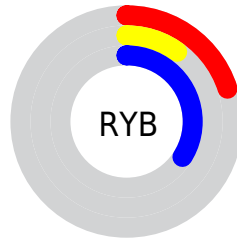
The YIQ color **39.8420, -4.4060, 24.7940** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **72.1580, 4.4060, -24.7940**, and the grayscale version is **40.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **86.9070, -3.0310, 27.4090**, and **4.6740, -13.1610, 12.7510** is the 20% darker color. If you saturate the color by 10%, you get **33.0640, -4.9110, 28.4410**, and if you desaturate by 10%, it is **46.6200, -3.9010, 21.1470**.

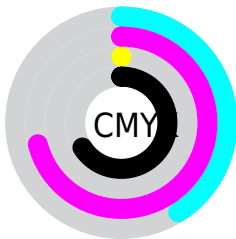
Distribution



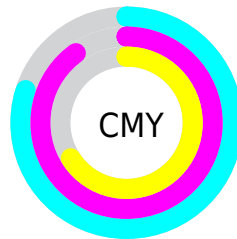
- Red (20%)
- Green (10%)
- Blue (34%)



- Red (20%)
- Yellow (10%)
- Blue (34%)



- Cyan (41%)
- Magenta (71%)
- Yellow (0%)
- Black (66%)



- Cyan (80%)
- Magenta (90%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 39.8420, -4.4060, 24.7940 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 39.8420, -4.4060, 24.7940 by changing the saturation by 10% instead.

■ 39.8420, -4.4060,
24.7940

■ 39.8420, -4.4060,
24.7940

■ 255.0000, -0.0000,
-0.0000

■ 17.0160, -4.9560,
23.7480

■ 86.9070, -3.0310,
27.4090

■ 4.6740, -13.1610,
12.7510

■ 111.8470, -2.8020,
28.7660

■ 2.7530, -6.3740,
5.3860

■ 137.3740, -2.8480,
29.6000

■ 0.0000, 0.0000,
0.0000

■ 164.2000, -2.2980,
30.6460

■ 191.7270, -2.3440,
31.4800

■ 217.0450, 5.2680,

25.6840

■ 239.1510, 7.4250,
14.1210

■ 39.8420, -4.4060,
24.7940

■ 39.8420, -4.4060,
24.7940

■ 33.0640, -4.9110,
28.4410

■ 46.6200, -3.9010,
21.1470

■ 26.8730, -5.6910,
31.5650

■ 52.8110, -3.1210,
18.0230

■ 20.9810, -5.8750,
34.9010

■ 59.5890, -2.6160,
14.3760

■ 66.3670, -2.1110,
10.7290

■ 72.5580, -1.3310,
7.6050

■ 79.3360, -0.8260,
3.9580

■ 86.1140, -0.3210,
0.3110

■ 92.8920, 0.1840,
-3.3360

■ 99.0830, 0.9640,
-6.4600

Harmonies

Analogous

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



35.5810, -43.6960, 9.9680



39.8420, -4.4060, 24.7940



31.4720, 29.2910, 36.3550

Triad

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



39.8420, -4.4060, 24.7940



37.3440, 31.0860, -1.6980



36.2240, -30.3500, -11.6460

Complementary

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



39.8420, -4.4060, 24.7940



72.1580, 4.4060, -24.7940

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.



31.8750, -19.4820, -21.3860



39.8420, -4.4060, 24.7940



36.9130, 12.8860, -13.2740

Square

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



39.8420, -4.4060, 24.7940



30.6980, 48.1850, 13.3130



28.7740, -12.0080, -24.6800



39.5300, -39.6590, -2.6270

Rectangle

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



39.8420, -4.4060, 24.7940



31.5840, 40.4790, 31.8310



28.7740, -12.0080, -24.6800



34.9700, -26.8190, -15.0670

Sweetspot

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



39.8420, -4.4060, 24.7940



94.6120, -1.4230, 9.2730



53.2000, -29.8020, 0.4540



45.3900, -0.9180, 5.6260



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.



39.8420, -4.4060, 24.7940



38.9040, -6.9760, 38.3360



49.1110, 14.0700, 31.3660



40.0540, -0.0920, 1.6680



25.6530, -7.5270, 42.8170



56.3910, -16.4310, 94.0730

Inverse Universe

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



47.6420, 25.3960, 24.3400



51.0880, 39.2400, 37.7680



62.8890, -14.0700, -31.3660



40.5380, 1.4210, 1.7810



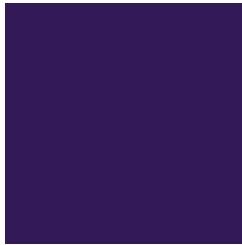
39.0610, 43.8700, 41.9660



85.7690, 96.4040, 92.1160

Previews

White Background



This preview shows how the YIQ color 39.8420, -4.4060, 24.7940 looks on a white background.

Color Contrast Check

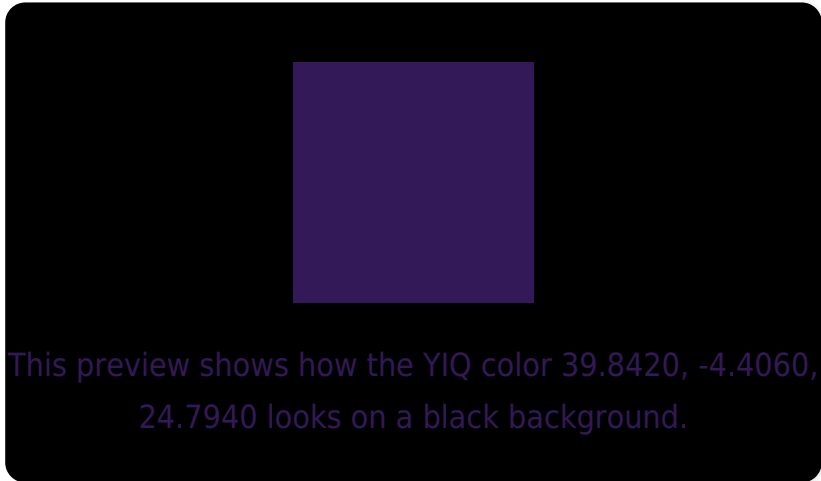
Large Text (above 18pt) WCAG AA ✓ Pass

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

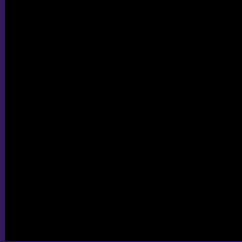
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 39.8420, -4.4060, 24.7940

Background



This preview shows how black text looks on a background with the YIQ color 39.8420, -4.4060, 24.7940.



This preview shows how white text looks on a background with the YIQ color 39.8420, -4.4060,

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

39.8420, -4.4060, 24.7940

Protanopia

32.3550, -37.3680, 5.4160

Deuteranopia

32.8620, -34.6620, 0.4260



Tritanopia

40.6410, -0.3670, 1.1450

Trichromacy



Original Color

39.8420, -4.4060, 24.7940

Protanomaly

35.2150, -24.9900, 12.3700

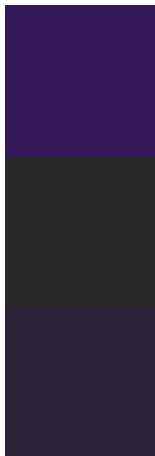
Deuteranomaly

35.5910, -23.2930, 9.1470

Tritanomaly

40.7260, -1.7440, 9.5840

Monochromacy



Original Color

39.8420, -4.4060, 24.7940

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

40.1990, -1.6980, 8.7500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 39.8420, -4.4060, 24.7940 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(51, 25, 87)` looks like.

```
.text, #text, p{  
    color:rgb(51, 25, 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(51, 25, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 25, 87) }
```

Border

The CSS property to change the border of an element to YIQ 39.8420, -4.4060, 24.7940 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(51, 25, 87) }
```


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

```
.border{ border-color:rgb(51, 25, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 25, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 25, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 25, 87);  
box-shadow:4px 4px 4px 4px rgb(51, 25, 87)  
}
```

Background

The CSS property to change the background color of an element to YIQ 39.8420, -4.4060, 24.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 25, 87) }
```

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

```
.background{ background-color: rgb(51, 25,  
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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