

Converting Colors

YIQ(37.9440, 12.7420, 22.3900)

Have a look what the booklet for
YIQ(37.9440, 12.7420, 22.3900)
contains.

| | |
|--|----|
| YIQ(37.9440, 12.7420, 22.3900) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**YIQ(37.9440, 12.7420,
22.3900)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 40143E |
| RGB | 64, 20, 62 |
| RGB Percent | 25%, 8%, 24% |
| CMY | 0.7489, 0.9216, 0.7568 |
| CMYK | 0.00, 0.69, 0.03, 0.75 |
| HSL | 303°, 52%, 16% |
| HSV | 303°, 69%, 25% |
| XYZ | 3.2360, 1.9386, 4.7617 |
| YIQ | 37.9440, 12.7420, 22.3900 |

Conversions

Conversions Part 2

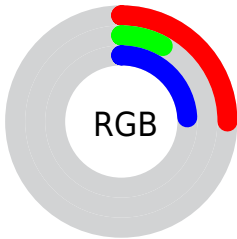
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 64, 20, 62 |
| Decimal | 4199486 |
| CIELab | 15.16, 27.74, -16.74 |
| CIElCh | 15, 32.394, 328.892 |
| Yxy | 1.9386, 0.3257, 0.1951 |
| Android (android.graphics.Color) | 4282389566 (0xFF40143E) |
| YUV | 37.9440, 11.8596, 22.8511 |
| Hunter-Lab | 13.9234, 17.1196, -10.5304 |

Details

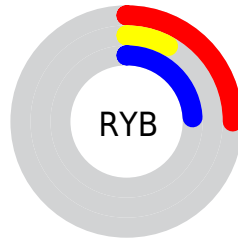
The YIQ color **37.9440, 12.7420, 22.3900** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **46.0560, -12.7420, -22.3900**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.0690, 13.8880, 23.6480**, and **4.5580, -1.3310, 7.6050** is the 20% darker color. If you saturate the color by 10%, you get **34.4220, 14.3920, 25.5280**, and if you desaturate by 10%, it is **41.4660, 11.0920, 19.2520**.

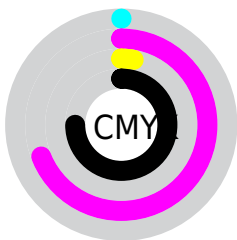
Distribution



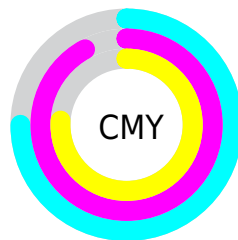
- Red (25%)
- Green (8%)
- Blue (24%)



- Red (25%)
- Yellow (8%)
- Blue (24%)



- Cyan (0%)
- Magenta (69%)
- Yellow (3%)
- Black (75%)





- Cyan (75%)
- Magenta (92%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 37.9440, 12.7420, 22.3900 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 37.9440, 12.7420, 22.3900 by changing the saturation by 10% instead.


 37.9440, 12.7420,
22.3900


 37.9440, 12.7420,
22.3900

 253.2390, 0.8250,
1.5690


 16.8190, 11.5960,
21.1320


 85.3680, 14.4840,
23.8600


 4.5580, -1.3310,
7.6050

 110.0800, 15.3550,
24.5950

 0.0000, 0.0000,
0.0000

 135.4930, 15.6300,
25.1180

 162.3190, 16.1800,
26.1640

 189.6180, 16.7760,
26.3760

 217.4440, 17.3260,

27.4220

■ 236.8030, 8.5250,
16.2130

■ 37.9440, 12.7420,
22.3900

■ 37.9440, 12.7420,
22.3900

■ 34.4220, 14.3920,
25.5280

■ 41.4660, 11.0920,
19.2520

■ 30.1990, 16.6380,
28.8780

■ 45.6890, 8.8460,
15.9020

■ 26.6770, 18.2880,
32.0160

■ 49.2110, 7.1960,
12.7640

■ 26.0900, 18.5630,
32.5390

■ 53.3200, 5.2710,
9.1030

■ 56.8420, 3.6210,
5.9650

■ 60.4780, 1.6500,
3.1380

■ 64.5870, -0.2750,
-0.5230

■ 68.1090, -1.9250,
-3.6610

■ 72.3320, -4.1710,
-7.0110

Harmonies

Analogous

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



37.8420, -13.5740, 14.7300



37.9440, 12.7420, 22.3900



33.4530, 30.3020, 23.5340

Triad

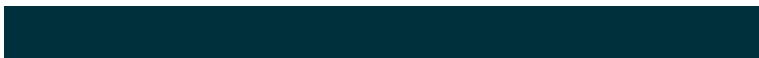
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.9440, 12.7420, 22.3900



36.3700, 19.0290, -8.9630



35.0160, -32.4600, -6.4440

Complementary

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



37.9440, 12.7420, 22.3900



46.0560, -12.7420, -22.3900

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.



32.2800, -24.7560, -13.9080



37.9440, 12.7420, 22.3900



33.6130, 4.8630, -16.5530

Square

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



37.9440, 12.7420, 22.3900



35.5830, 31.9110, -0.1290



28.2560, -16.1810, -20.6370



35.7800, -37.3670, -0.1110

Rectangle

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



37.9440, 12.7420, 22.3900



33.2160, 35.1630, 18.0350



28.2560, -16.1810, -20.6370



34.1040, -29.8920, -8.9320

Sweetspot

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



37.9440, 12.7420, 22.3900



73.3200, 5.2710, 9.1030



25.3150, -13.5280, 13.8960



37.1300, 2.7500, 5.2300



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



37.9440, 12.7420, 22.3900



42.5680, 20.2130, 35.6770



35.5500, 19.4830, 15.8590



31.2390, 0.8250, 1.5690



39.4910, 28.2800, 49.1760



91.3720, 64.8100, 114.0420

Inverse Universe

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



37.9440, 12.7420, 22.3900



42.5680, 20.2130, 35.6770



48.4500, -19.4830, -15.8590



31.2390, 0.8250, 1.5690



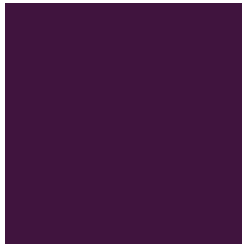
39.4910, 28.2800, 49.1760



91.3720, 64.8100, 114.0420

Previews

White Background



This preview shows how the YIQ color 37.9440, 12.7420, 22.3900 looks on a white background.

Color Contrast Check

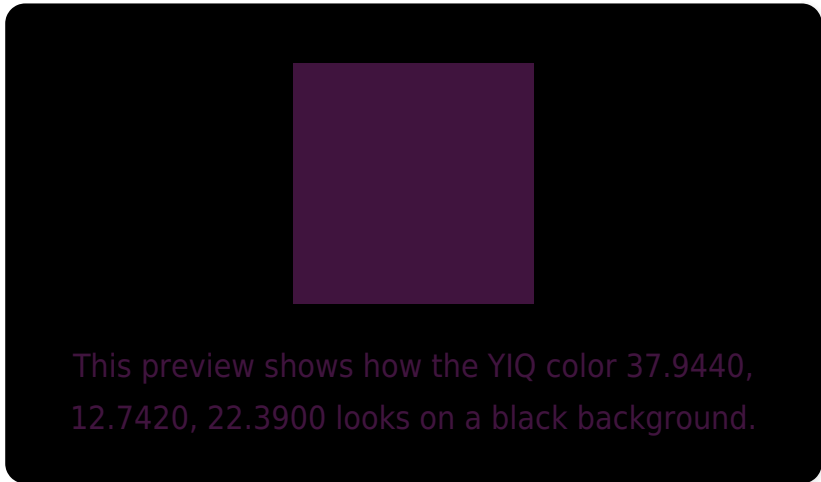
Large Text (above 18pt) WCAG AA ✓ Pass

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

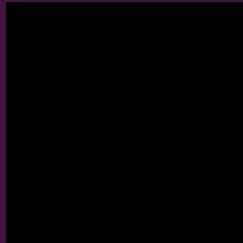
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.9440, 12.7420, 22.3900

Background



This preview shows how black text looks on a background with the YIQ color 37.9440, 12.7420, 22.3900.



This preview shows how white text looks on a background with the YIQ color 37.9440, 12.7420,

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

37.9440, 12.7420, 22.3900

Protanopia

34.9000, -28.6570, 7.2390

Deuteranopia

38.5890, -11.7840, 4.3120



Tritanopia

39.4970, 17.8340, 7.1940

Trichromacy



Original Color

37.9440, 12.7420, 22.3900

Protanomaly

35.7880, -13.4820, 13.0620

Deuteranomaly

38.1820, -3.0280, 10.8280

Tritanomaly

38.7020, 15.9990, 12.9190

Monochromacy



Original Color

37.9440, 12.7420, 22.3900

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.6080, 4.4000, 8.3680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.9440, 12.7420, 22.3900 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(64, 20, 62)` looks like.

```
.text, #text, p{  
    color:rgb(64, 20, 62)  
}
```

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(64, 20, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 20, 62) }
```

Border

The CSS property to change the border of an element to YIQ 37.9440, 12.7420, 22.3900 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(64, 20, 62) }
```


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

```
.border{ border-color:rgb(64, 20, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 20, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 20, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 20, 62);  
box-shadow:4px 4px 4px 4px rgb(64, 20, 62)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.9440, 12.7420, 22.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 20, 62) }
```

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

```
.background{ background-color: rgb(64, 20,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor