

Converting Colors

YIQ(49.7400, 22.0040, 19.7320)

Have a look what the booklet for
YIQ(49.7400, 22.0040, 19.7320)
contains.

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Color

**YIQ(49.7400, 22.0040,
19.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	531F3B
RGB	83, 31, 59
RGB Percent	33%, 12%, 23%
CMY	0.6744, 0.8785, 0.7686
CMYK	0.00, 0.63, 0.29, 0.67
HSL	328°, 46%, 22%
HSV	328°, 63%, 33%
XYZ	4.8497, 3.1354, 4.4895
YIQ	49.7400, 22.0040, 19.7320

Conversions

Conversions Part 2

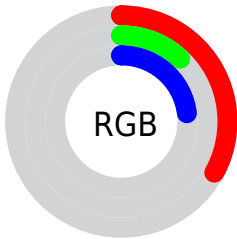
Format	Color
RYB	83, 31, 59
Decimal	5447483
CIELab	20.58, 27.79, -6.03
CIElCh	21, 28.433, 347.759
Yxy	3.1354, 0.3888, 0.2513
Android (android.graphics.Color)	4283637563 (0xFF531F3B)
YUV	49.7400, 4.5652, 29.1690
Hunter-Lab	17.7071, 17.9012, -2.6377




Details

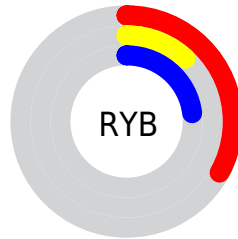
The YIQ color **49.7400, 22.0040, 19.7320** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **64.2600, -22.0040, -19.7320**, and the grayscale version is **50.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **97.9360, 24.3880, 20.5800**, and **13.5990, 17.7870, 13.5550** is the 20% darker color. If you saturate the color by 10%, you get **44.5880, 25.4880, 22.6720**, and if you desaturate by 10%, it is **54.8920, 18.5200, 16.7920**.

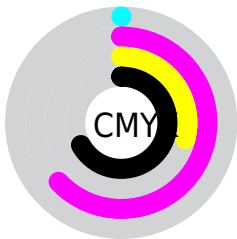
Distribution







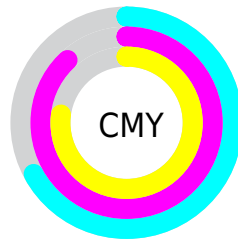
-  Red (33%)
-  Green (12%)
-  Blue (23%)






-  Red (33%)
-  Yellow (12%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (63%)
-  Yellow (29%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (88%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.7400, 22.0040, 19.7320 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 49.7400, 22.0040, 19.7320 by changing the saturation by 10% instead.

■ 49.7400, 22.0040,
19.7320

■ 49.7400, 22.0040,
19.7320

■ 255.0000, -0.0000,
-0.0000

■ 25.9680, 21.3620,
20.3540

■ 97.9360, 24.3880,
20.5800

■ 13.5990, 17.7870,
13.5550

■ 123.5340, 25.5800,
21.0040

■ 0.0000, 0.0000,
0.0000

■ 149.5450, 27.0470,
21.9510

■ 176.8440, 27.6430,
22.1630

■ 204.5560, 28.5140,
22.8980

■ 226.8750, 17.1900,

18.8700

245.0210, 4.6750,
8.8910

49.7400, 22.0040,
19.7320

49.7400, 22.0040,
19.7320

44.5880, 25.4880,
22.6720

54.8920, 18.5200,
16.7920

38.8490, 29.2470,
26.1350

60.6310, 14.7610,
13.3290

33.8110, 32.4100,
29.3860

65.7830, 11.2770,
10.3890

29.9470, 35.0230,
31.5910

70.8210, 8.1140,
7.1380

75.9730, 4.6300,
4.1980

■ 81.7120, 0.8710,
0.7350

■ 86.8640, -2.6130,
-2.2050

■ 92.0160, -6.0970,
-5.1450

■ 97.6410, -9.5350,
-8.9190

Harmonies

Analogous

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



51.5190, 3.5730, 17.8530



49.7400, 22.0040, 19.7320



47.9550, 31.4040, 14.5720

Triad

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



49.7400, 22.0040, 19.7320



45.6310, 13.6200, -15.5640



43.1660, -41.6300, -5.4540

Complementary

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



49.7400, 22.0040, 19.7320



64.2600, -22.0040, -19.7320

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.



42.2880, -36.4020, -12.0980



49.7400, 22.0040, 19.7320



42.9150, -7.7910, -18.5030

Square

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



49.7400, 22.0040, 19.7320



47.2030, 26.8690, -7.8750



39.1930, -29.0650, -18.4170



41.9580, -43.7400, -0.2520

Rectangle

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



49.7400, 22.0040, 19.7320



47.9240, 32.6890, 7.8010



39.1930, -29.0650, -18.4170



43.1830, -40.3000, -7.5320

Sweetspot

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



49.7400, 22.0040, 19.7320



94.2340, 8.3890, 7.6610



43.8050, -2.9840, 21.0480



45.6850, 5.5010, 4.9330



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.



49.7400, 22.0040, 19.7320



55.8220, 33.8770, 30.3330



46.8900, 30.0290, 11.9570



38.4240, 1.7420, 1.4700



37.7790, 44.6040, 39.6760



83.6180, 98.1470, 88.0590

Inverse Universe

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



49.7400, 22.0040, 19.7320



55.8220, 33.8770, 30.3330



67.1100, -30.0290, -11.9570



38.4240, 1.7420, 1.4700



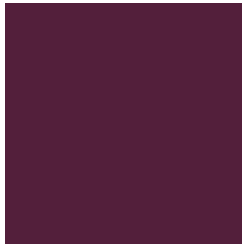
37.7790, 44.6040, 39.6760



83.6180, 98.1470, 88.0590

Previews

White Background



This preview shows how the YIQ color 49.7400, 22.0040, 19.7320 looks on a white background.

Color Contrast Check

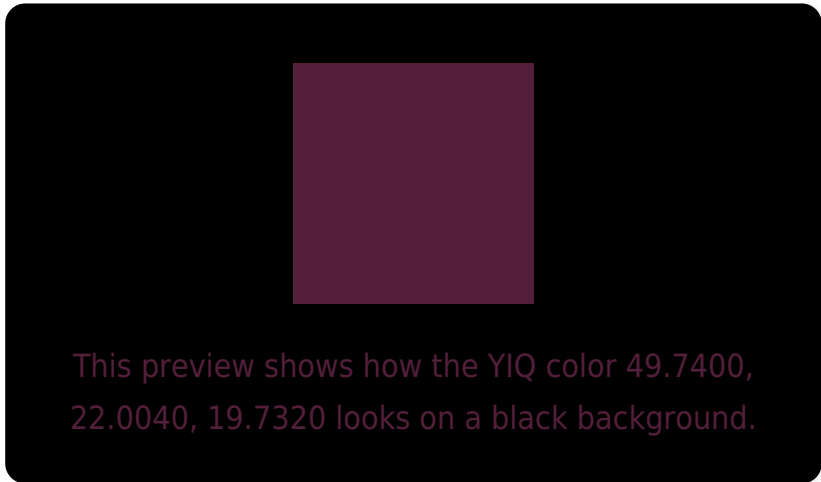
Large Text (above 18pt) WCAG AA ✓ Pass

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

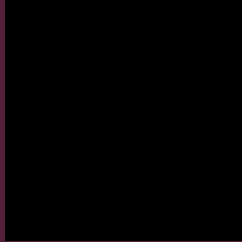
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.7400, 22.0040, 19.7320

Background



This preview shows how black text looks on a background with the YIQ color 49.7400, 22.0040, 19.7320.



This preview shows how white text looks on a background with the YIQ color 49.7400, 22.0040,

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

49.7400, 22.0040, 19.7320

Protanopia

50.7140, -10.6380, 5.5700

Deuteranopia

50.9940, 0.1370, 3.0250



Tritanopia

49.6830, 26.1780, 10.1620

Trichromacy



Original Color

49.7400, 22.0040, 19.7320

Protanomaly

50.2210, 1.2360, 10.6440

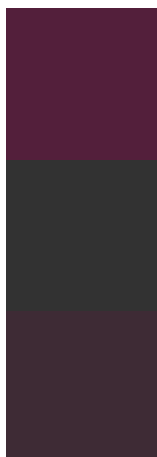
Deuteranomaly

50.2880, 8.2970, 9.3290

Tritanomaly

49.7200, 24.7560, 13.9080

Monochromacy



Original Color

49.7400, 22.0040, 19.7320

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8210, 8.1140, 7.1380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.7400, 22.0040, 19.7320 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(83, 31, 59)` looks like.

```
.text, #text, p{  
    color:rgb(83, 31, 59)  
}
```

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(83, 31, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 31, 59) }
```

Border

The CSS property to change the border of an element to YIQ 49.7400, 22.0040, 19.7320 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(83, 31, 59) }
```


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

```
.border{ border-color:rgb(83, 31, 59) }
```

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

Here you see how a box with a 4 pixel rgb(83, 31, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 31, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 31, 59);  
box-shadow:4px 4px 4px 4px rgb(83, 31, 59)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.7400, 22.0040, 19.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 31, 59) }
```

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

```
.background{ background-color: rgb(83, 31,  
59) }
```

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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