

Converting Colors

YIQ(51.0230, 2.3340, 23.7900)

Have a look what the booklet for
YIQ(51.0230, 2.3340, 23.7900)
contains.

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Color

**YIQ(51.0230, 2.3340,
23.7900)**

Conversions

Conversions Part 1

Format	Color
Hex	442359
RGB	68, 35, 89
RGB Percent	27%, 14%, 35%
CMY	0.7332, 0.8628, 0.6510
CMYK	0.24, 0.61, 0.00, 0.65
HSL	277°, 44%, 24%
HSV	277°, 61%, 35%
XYZ	4.7893, 3.1524, 9.8054
YIQ	51.0230, 2.3340, 23.7900

Conversions

Conversions Part 2

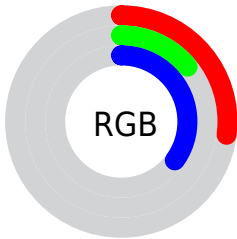
Format	Color
R_{YB}	68, 35, 89
Decimal	4465497
CIE _{Lab}	20.64, 26.73, -26.47
CIE _{LCh}	21, 37.616, 315.283
Yxy	3.1524, 0.2699, 0.1776
Android (android.graphics.Color)	4282655577 (0xFF442359)
YUV	51.0230, 18.7227, 14.8888
Hunter-Lab	17.7549, 17.0790, -20.3154

Details

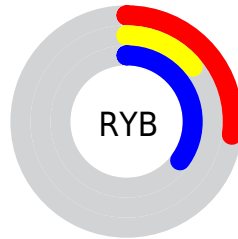
The YIQ color **51.0230, 2.3340, 23.7900** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **72.9770, -2.3340, -23.7900**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.6750, 3.4340, 25.8820**, and **12.9750, 2.2890, 19.0970** is the 20% darker color. If you saturate the color by 10%, you get **44.8430, 3.0210, 27.8610**, and if you desaturate by 10%, it is **57.2030, 1.6470, 19.7190**.

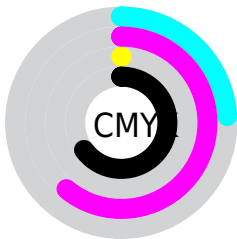
Distribution



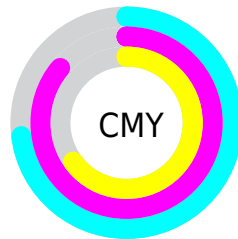
- Red (27%)
- Green (14%)
- Blue (35%)



- Red (27%)
- Yellow (14%)
- Blue (35%)



- Cyan (24%)
- Magenta (61%)
- Yellow (0%)
- Black (65%)



- Cyan (73%)
- Magenta (86%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.0230, 2.3340, 23.7900 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 51.0230, 2.3340, 23.7900 by changing the saturation by 10% instead.

■ 51.0230, 2.3340,
23.7900

■ 51.0230, 2.3340,
23.7900

■ 255.0000, -0.0000,
-0.0000

■ 28.1970, 1.7840,
22.7440

■ 98.6750, 3.4340,
25.8820

■ 12.9750, 2.2890,
19.0970

■ 124.2020, 3.3880,
26.7160

■ 2.9810, -7.0160,
6.0080

■ 150.0280, 3.9380,
27.7620


■ 0.0000, 0.0000,
0.0000


■ 177.4410, 4.2130,
28.2850


■ 204.9680, 4.1670,
29.1190

■ 230.3460, 11.5500,


21.9660

 246.7820, 3.8500,
7.3220


 51.0230, 2.3340,
23.7900


 51.0230, 2.3340,
23.7900

 44.8430, 3.0210,
27.8610


 57.2030, 1.6470,
19.7190


 38.3640, 3.1120,
31.7200

 63.6820, 1.5560,
15.8600

 32.1840, 3.7990,
35.7910

 69.8620, 0.8690,
11.7890

 26.2920, 3.6150,
39.1270

 76.3410, 0.7780,
7.9300

 81.9340, 0.3660,
4.3820

■ 88.4130, 0.2750,
0.5230

■ 94.5930, -0.4120,
-3.5480

■ 101.0720, -0.5030,
-7.4070

■ 107.2520, -1.1900,
-11.4780

Harmonies

Analogous

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



41.2280, -44.2000, 8.0880



51.0230, 2.3340, 23.7900



46.5440, 28.7880, 28.9480

Triad

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



51.0230, 2.3340, 23.7900



47.0680, 31.6830, -7.0130



43.6900, -37.5940, -12.5220

Complementary

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



51.0230, 2.3340, 23.7900



72.9770, -2.3340, -23.7900

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.



39.7970, -28.0100, -21.0180



51.0230, 2.3340, 23.7900



46.0610, 15.2250, -17.1190

Square

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



51.0230, 2.3340, 23.7900



45.5460, 42.5010, 6.1890



38.3890, -9.4860, -26.3340



45.9530, -45.3440, -4.2240

Rectangle

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



51.0230, 2.3340, 23.7900



43.9380, 39.2420, 26.7140



38.3890, -9.4860, -26.3340



42.5500, -34.3840, -15.6320

Sweetspot

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



51.0230, 2.3340, 23.7900



100.2810, 1.0070, 9.2870



54.0700, -23.3840, 5.2880



49.8740, 0.5950, 5.7390



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



51.0230, 2.3340, 23.7900



55.8250, 3.4320, 36.9360



56.7320, 16.4550, 26.6870



40.3530, 0.5040, 1.8800



31.9320, 4.9890, 47.2690



69.8460, 10.3890, 103.6130

Inverse Universe

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



53.5400, 25.4430, 17.9790



59.7640, 39.7920, 27.7600



67.2680, -16.4550, -26.6870



40.4240, 1.7420, 1.4700



36.7810, 50.2900, 35.7460



80.6390, 110.8490, 78.1210

Previews

White Background



This preview shows how the YIQ color 51.0230, 2.3340, 23.7900 looks on a white background.

Color Contrast Check

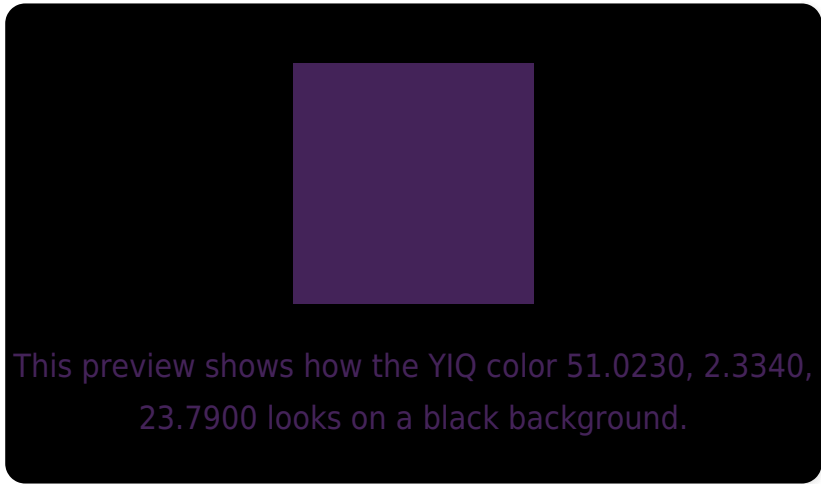
Large Text (above 18pt) WCAG AA ✓ Pass

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

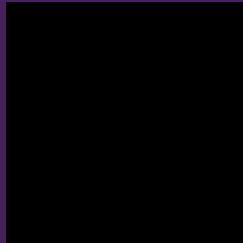
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.0230, 2.3340, 23.7900

Background



This preview shows how black text looks on a background with the YIQ color 51.0230, 2.3340, 23.7900.



This preview shows how white text looks on a background with the YIQ color 51.0230, 2.3340,

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

51.0230, 2.3340, 23.7900

Protanopia

42.2990, -42.9620, 7.6780

Deuteranopia

46.9170, -27.3270, 5.1610



Tritanopia

51.2400, 8.2520, 4.6360

Trichromacy



Original Color

51.0230, 2.3340, 23.7900

Protanomaly

45.6710, -26.2740, 13.6140

Deuteranomaly

48.2930, -16.4620, 12.0020

Tritanomaly

51.0860, 6.0500, 11.5060

Monochromacy



Original Color

51.0230, 2.3340, 23.7900

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.8680, 0.7320, 8.7640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.0230, 2.3340, 23.7900 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(68, 35, 89)` looks like.

```
.text, #text, p{  
    color:rgb(68, 35, 89)  
}
```

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(68, 35, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 35, 89) }
```

Border

The CSS property to change the border of an element to YIQ 51.0230, 2.3340, 23.7900 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(68, 35, 89) }
```


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

```
.border{ border-color:rgb(68, 35, 89) }
```

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

Here you see how a box with a 4 pixel rgb(68, 35, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 35, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 35, 89);  
box-shadow:4px 4px 4px 4px rgb(68, 35, 89)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.0230, 2.3340, 23.7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 35, 89) }
```

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

```
.background{ background-color: rgb(68, 35,  
89) }
```

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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