

Converting Colors

YIQ(51.0870, -30.0810, 22.0390)

Have a look what the booklet for
YIQ(51.0870, -30.0810, 22.0390)
contains.

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Color

**YIQ(51.0870, -30.0810,
22.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	242D7A
RGB	36, 45, 122
RGB Percent	14%, 18%, 48%
CMY	0.8588, 0.8235, 0.5217
CMYK	0.70, 0.63, 0.00, 0.52
HSL	234°, 54%, 31%
HSV	234°, 70%, 48%
XYZ	5.1764, 3.6563, 18.8304
YIQ	51.0870, -30.0810, 22.0390

Conversions

Conversions Part 2

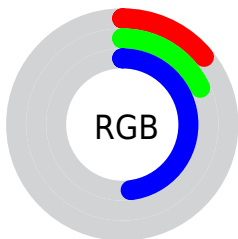
Format	Color
R_{YB}	36, 44, 122
Decimal	2370938
CIE _{Lab}	22.50, 23.57, -45.05
CIE _{LCh}	23, 50.842, 297.622
Yxy	3.6563, 0.1871, 0.1322
Android (android.graphics.Color)	4280561018 (0xFF242D7A)
YUV	51.0870, 34.9601, -13.2313
Hunter-Lab	19.1214, 14.8593, -45.0029

Details

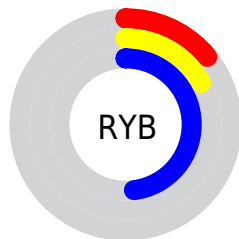
The YIQ color **51.0870, -30.0810, 22.0390** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **106.9130, 30.0810, -22.0390**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.1740, -25.7720, 26.5480**, and **8.2080, -23.1120, 22.3920** is the 20% darker color. If you saturate the color by 10%, you get **41.0420, -34.2080, 25.2480**, and if you desaturate by 10%, it is **61.1320, -25.9540, 18.8300**.

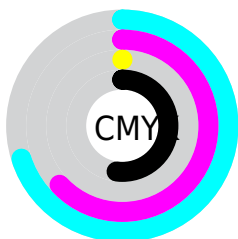
Distribution



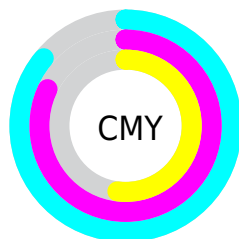
- Red (14%)
- Green (18%)
- Blue (48%)



- Red (14%)
- Yellow (17%)
- Blue (48%)



- Cyan (70%)
- Magenta (63%)
- Yellow (0%)
- Black (52%)



- Cyan (86%)
- Magenta (82%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.0870, -30.0810, 22.0390 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 51.0870, -30.0810, 22.0390 by changing the saturation by 10% instead.

■ 51.0870, -30.0810,
22.0390

■ 51.0870, -30.0810,
22.0390

■ 255.0000, -0.0000,
-0.0000

■ 25.1460, -37.7370,
17.6150

■ 101.1740,
-25.7720, 26.5480

■ 8.2080, -23.1120,
22.3920

■ 126.5270,
-25.2680, 28.4280

■ 7.9340, -16.8290,
13.1470

■ 153.0540,
-25.3140, 29.2620

■ 3.6650, -8.9420,
7.8740

■ 179.4240,
-23.4800, 29.0640

■ 0.0000, 0.0000,
0.0000

■ 203.9440,
-13.6210, 21.0910

■ 229.0510, -4.0370,

12.5950

252.6520, 1.1000,
2.0920

51.0870, -30.0810,
22.0390

51.0870, -30.0810,
22.0390

41.0420, -34.2080,
25.2480

61.1320, -25.9540,
18.8300

30.9970, -38.3350,
28.4570

71.1770, -21.8270,
15.6210

21.5390, -42.7370,
31.1430

81.5210, -17.1040,
12.6240

91.5660, -12.9770,
9.4150

101.6110, -8.8500,
6.2060

■ 111.6560, -4.7230,
2.9970

■ 121.1140, -0.3210,
0.3110

■ 131.4580, 4.4020,
-2.6860

■ 141.5030, 8.5290,
-5.8950

Harmonies

Analogous

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



50.1540, -58.5510, 9.3610



51.0870, -30.0810, 22.0390



49.5020, 20.5790, 40.0590

Triad

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



51.0870, -30.0810, 22.0390



48.6730, 49.3330, 3.5170



46.2030, -35.0250, -20.5370

Complementary

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



51.0870, -30.0810, 22.0390



106.9130, 30.0810, -22.0390

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.



39.4260, -20.0760, -32.6520



51.0870, -30.0810, 22.0390



50.8670, 27.6950, -11.8330

Square

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



51.0870, -30.0810, 22.0390



36.8930, 61.4780, 31.2220



45.6740, 2.8930, -24.9070



50.5350, -47.2230, -8.7190

Rectangle

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



51.0870, -30.0810, 22.0390



41.2830, 43.3650, 45.6130



45.6740, 2.8930, -24.9070



44.0200, -30.2560, -24.3680

Sweetspot

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



51.0870, -30.0810, 22.0390



130.5230, -11.4180, 8.6940



95.1460, -48.0460, -21.3420



62.4540, -6.9700, 5.1740



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



51.0870, -30.0810, 22.0390



47.4940, -46.8640, 34.3520



55.6710, -7.9380, 33.7420



56.2710, -2.2010, 1.3430



21.8810, -43.7000, 32.0760



43.9900, -88.0420, 64.7740

Inverse Universe

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



62.7400, 48.3670, 21.0310



65.6620, 75.3700, 32.7620



102.3290, 7.9380, -33.7420



56.9080, 3.2550, 1.5830



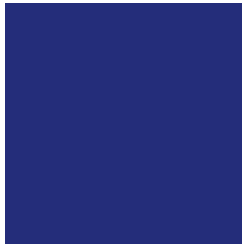
38.8570, 70.3270, 30.5430



78.3120, 141.8460, 61.5100

Previews

White Background



This preview shows how the YIQ color 51.0870, -30.0810, 22.0390 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



This preview shows how the YIQ color 51.0870, -30.0810, 22.0390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

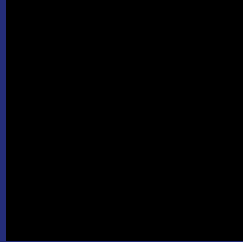
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.0870, -30.0810, 22.0390

Background



This preview shows how black text looks on a background with the YIQ color 51.0870, -30.0810, 22.0390.



This preview shows how white text looks on a background with the YIQ color 51.0870, -30.0810,

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

51.0870, -30.0810, 22.0390

Protanopia

43.0640, -49.6100, 7.0140

Deuteranopia

43.1150, -45.6200, 0.7800



Tritanopia

42.5160, -37.0440, -11.4760

Trichromacy



Original Color

51.0870, -30.0810, 22.0390

Protanomaly

45.6460, -42.3210, 12.5830

Deuteranomaly

45.7940, -39.9820, 8.7380

Tritanomaly

45.8620, -34.6620, 0.4260

Monochromacy



Original Color

51.0870, -30.0810, 22.0390

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.2950, -10.7760, 8.0720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.0870, -30.0810, 22.0390 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(36, 45, 122)` looks like.

```
.text, #text, p{  
    color:rgb(36, 45, 122)  
}
```

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(36, 45, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 45, 122) }
```

Border

The CSS property to change the border of an element to YIQ 51.0870, -30.0810, 22.0390 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(36, 45, 122) }
```


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

```
.border{ border-color:rgb(36, 45, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 45, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 45, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 45, 122);  
box-shadow:4px 4px 4px 4px rgb(36, 45,  
122) }
```

Background

The CSS property to change the background color of an element to YIQ 51.0870, -30.0810, 22.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 45, 122) }
```

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

```
.background{ background-color: rgb(36, 45,  
122) }
```

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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