

Converting Colors

YIQ(48.1450, -44.0230, 43.4410)

Have a look what the booklet for
YIQ(48.1450, -44.0230, 43.4410)
contains.

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Color

**YIQ(48.1450, -44.0230,
43.4410)**

Conversions

Conversions Part 1

Format	Color
Hex	2120AB
RGB	33, 32, 171
RGB Percent	13%, 13%, 67%
CMY	0.8705, 0.8745, 0.3297
CMYK	0.81, 0.81, 0.00, 0.33
HSL	240°, 68%, 40%
HSV	240°, 81%, 67%
XYZ	8.4883, 4.2943, 38.8736
YIQ	48.1450, -44.0230, 43.4410

Conversions

Conversions Part 2

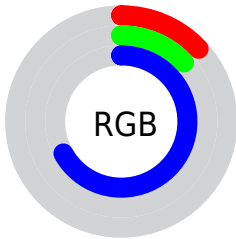
Format	Color
R_{YB}	33, 32, 171
Decimal	2171051
CIE _{Lab}	24.62, 48.40, -71.85
CIE _{LCh}	25, 86.628, 303.967
Yxy	4.2943, 0.1643, 0.0831
Android (android.graphics.Color)	4280361131 (0xFF2120AB)
YUV	48.1450, 60.5675, -13.2822
Hunter-Lab	20.7226, 36.8515, -96.7165

Details

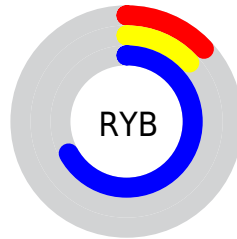
The YIQ color **48.1450, -44.0230, 43.4410** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **154.8550, 44.0230, -43.4410**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.3470, -32.6080, 51.3280**, and **13.3380, -37.5570, 36.3870** is the 20% darker color. If you saturate the color by 10%, you get **33.0830, -49.4800, 48.7280**, and if you desaturate by 10%, it is **63.2070, -38.5660, 38.1540**.

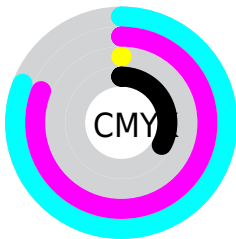
Distribution



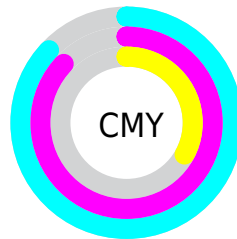
- Red (13%)
- Green (13%)
- Blue (67%)



- Red (13%)
- Yellow (13%)
- Blue (67%)



- Cyan (81%)
- Magenta (81%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (87%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.1450, -44.0230, 43.4410 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 48.1450, -44.0230, 43.4410 by changing the saturation by 10% instead.

■ 48.1450, -44.0230,
43.4410

■ 48.1450, -44.0230,
43.4410

■ 255.0000, -0.0000,
-0.0000

■ 20.5250, -48.1490,
41.1230

■ 104.3470,
-32.6080, 51.3280

■ 13.3380, -37.5570,
36.3870

■ 131.0700,
-30.2700, 53.0100

■ 10.3740, -29.2110,
28.3010

■ 155.3020,
-19.5400, 45.7720

■ 11.7470, -23.4320,
17.1760

■ 179.5340, -8.8100,
38.5340

■ 6.7770, -14.9490,
12.1150

■ 204.3530, 1.6450,
30.7730

■ 3.0950, -7.3370,
6.3190

■ 229.7590, 11.8250,

■ 0.0000, 0.0000,

22.4890

0.0000

246.7820, 3.8500,
7.3220

48.1450, -44.0230,
43.4410

48.1450, -44.0230,
43.4410

33.0830, -49.4800,
48.7280

63.2070, -38.5660,
38.1540

19.7930, -54.2950,
53.3930

78.2690, -33.1090,
32.8670

93.3310, -27.6520,
27.5800

108.3930,
-22.1950, 22.2930

123.4550,
-16.7380, 17.0060

■ 139.1040,
-11.5560, 11.1960

■ 154.1660, -6.0990,
5.9090

■ 169.2280, -0.6420,
0.6220

■ 184.2900, 4.8150,
-4.6650

Harmonies

Analogous

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



62.1460, -81.2950, 25.0810



48.1450, -44.0230, 43.4410



54.1160, 43.1780, 65.5300

Triad

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



48.1450, -44.0230, 43.4410



48.4730, 61.9400, 11.8280



53.8970, -42.9110, -20.7910

Complementary

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



48.1450, -44.0230, 43.4410



154.8550, 44.0230, -43.4410

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.



45.1990, -21.1750, -40.2710



48.1450, -44.0230, 43.4410



54.6550, 22.2400, -17.6000

Square

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



48.1450, -44.0230, 43.4410



44.8500, 89.4000, 31.8000



42.2640, -19.8000, -37.6560



62.5950, -64.6470, -1.3110

Rectangle

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



48.1450, -44.0230, 43.4410



55.7920, 70.0930, 56.8210



42.2640, -19.8000, -37.6560



50.6880, -35.2530, -27.4210

Sweetspot

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



48.1450, -44.0230, 43.4410



175.0420, -17.0130, 16.4830



129.4390, -82.8440, -29.4680



83.6480, -10.2720, 9.9520



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



48.1450, -44.0230, 43.4410



29.4500, -68.7860, 68.2220



68.4770, -3.4950, 57.8570



79.0260, -2.8890, 2.7990



17.3990, -47.5540, 46.8620



2.6220, -7.3830, 7.1530

Inverse Universe

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



89.2930, 38.5460, 72.3860



93.8060, 60.5920, 113.3920



134.2240, 2.8990, -58.0690



81.7170, 2.4750, 4.7070



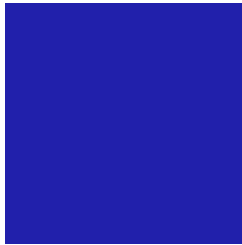
61.8360, 41.5710, 78.1390



9.4990, 6.3250, 12.0290

Previews

White Background



This preview shows how the YIQ color 48.1450, -44.0230, 43.4410 looks on a white background.

Color Contrast Check

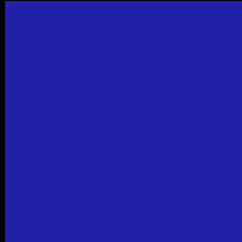
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1450, -44.0230, 43.4410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

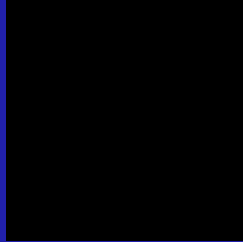
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.1450, -44.0230, 43.4410

Background



This preview shows how black text looks on a background with the YIQ color 48.1450, -44.0230, 43.4410.



This preview shows how white text looks on a background with the YIQ color 48.1450, -44.0230,

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

48.1450, -44.0230, 43.4410

Protanopia

47.0250, -53.8740, 7.1980

Deuteranopia

47.3210, -49.1960, -0.4920



Tritanopia

46.0210, -40.0240, -12.5360

Trichromacy



Original Color

48.1450, -44.0230, 43.4410

Protanomaly

47.4960, -50.3460, 20.3580

Deuteranomaly

47.3020, -47.0440, 15.5800

Tritanomaly

46.7830, -41.4490, 7.7910

Monochromacy



Original Color

48.1450, -44.0230, 43.4410

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.1130, -15.7750, 16.0730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.1450, -44.0230, 43.4410 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(33, 32, 171)` looks like.

```
.text, #text, p{  
    color:rgb(33, 32, 171)  
}
```

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(33, 32, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 32, 171) }
```

Border

The CSS property to change the border of an element to YIQ 48.1450, -44.0230, 43.4410 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(33, 32, 171) }
```


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

```
.border{ border-color:rgb(33, 32, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 32, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 32, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 32, 171);  
box-shadow:4px 4px 4px 4px rgb(33, 32,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 48.1450, -44.0230, 43.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 32, 171) }
```

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

```
.background{ background-color: rgb(33, 32,  
171) }
```

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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