

Converting Colors

YIQ(48.4200, -26.8250, 18.0950)

Have a look what the booklet for
YIQ(48.4200, -26.8250, 18.0950)
contains.

YIQ(48.4200, -26.8250, 18.0950)	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(48.4200, -26.8250,
18.0950)**

Conversions

Conversions Part 1

Format	Color
Hex	222C6D
RGB	34, 44, 109
RGB Percent	13%, 17%, 43%
CMY	0.8666, 0.8274, 0.5727
CMYK	0.69, 0.60, 0.00, 0.57
HSL	232°, 52%, 28%
HSV	232°, 69%, 43%
XYZ	4.3188, 3.2451, 14.8555
YIQ	48.4200, -26.8250, 18.0950

Conversions

Conversions Part 2

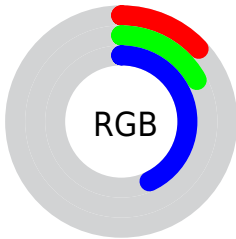
Format	Color
R_{YB}	34, 43, 109
Decimal	2239597
CIE _{Lab}	21.00, 18.94, -39.17
CIE _{LCh}	21, 43.506, 295.805
Yxy	3.2451, 0.1926, 0.1447
Android (android.graphics.Color)	4280429677 (0xFF222C6D)
YUV	48.4200, 29.8659, -12.6463
Hunter-Lab	18.0142, 11.2699, -36.2837

Details

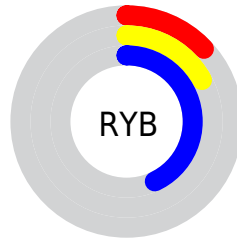
The YIQ color **48.4200, -26.8250, 18.0950** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **94.5800, 26.8250, -18.0950**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **96.9090, -23.7080, 22.1800**, and **6.9540, -19.5810, 18.9710** is the 20% darker color. If you saturate the color by 10%, you get **39.8480, -30.9060, 20.4700**, and if you desaturate by 10%, it is **56.9920, -22.7440, 15.7200**.

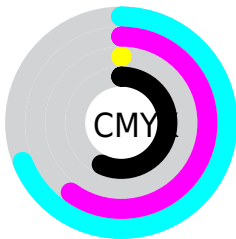
Distribution



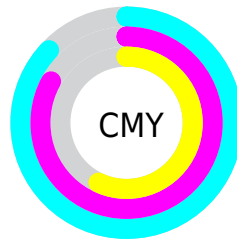
- Red (13%)
- Green (17%)
- Blue (43%)



- Red (13%)
- Yellow (17%)
- Blue (43%)



- Cyan (69%)
- Magenta (60%)
- Yellow (0%)
- Black (57%)



- Cyan (87%)
- Magenta (83%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.4200, -26.8250, 18.0950 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 48.4200, -26.8250, 18.0950 by changing the saturation by 10% instead.

■ 48.4200, -26.8250,
18.0950

■ 48.4200, -26.8250,
18.0950

■ 255.0000, -0.0000,
-0.0000

■ 23.6640, -33.5640,
13.5720

■ 96.9090, -23.7080,
22.1800

■ 6.9540, -19.5810,
18.9710

■ 122.7350,
-23.1580, 23.2260

■ 6.0930, -13.0230,
10.2490

■ 148.6750,
-22.9290, 24.5830

■ 2.2970, -5.0900,
4.1420

■ 175.9030,
-23.5710, 25.2050

■ 0.0000, 0.0000,
0.0000

■ 201.2640,
-17.5180, 20.1300

■ 226.3710, -7.9340,

11.6340

251.4780, 1.6500,
3.1380

48.4200, -26.8250,
18.0950

48.4200, -26.8250,
18.0950

39.8480, -30.9060,
20.4700

56.9920, -22.7440,
15.7200

30.6890, -34.7120,
23.3680

66.1510, -18.9380,
12.8220

22.1170, -38.7930,
25.7430

74.7230, -14.8570,
10.4470

21.2310, -39.1140,
26.0540

83.8820, -11.0510,
7.5490

92.1550, -7.5660,
4.9620

■ 101.3140, -3.7600,
2.0640

■ 109.8860, 0.3210,
-0.3110

■ 119.0450, 4.1270,
-3.2090

■ 127.6170, 8.2080,
-5.5840

Harmonies

Analogous

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



45.9820, -52.3150, 6.4770



48.4200, -26.8250, 18.0950



49.4100, 14.6660, 31.5780

Triad

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



48.4200, -26.8250, 18.0950



46.2810, 44.5650, 1.8210



42.6980, -32.0450, -19.4770

Complementary

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



48.4200, -26.8250, 18.0950



94.5800, 26.8250, -18.0950

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.



36.8330, -19.6640, -29.1040



48.4200, -26.8250, 18.0950



48.2090, 26.7320, -10.9000

Square

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



48.4200, -26.8250, 18.0950



40.9900, 50.6590, 23.5470



44.5220, 6.3770, -21.9670



46.4600, -42.6380, -9.2140

Rectangle

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



48.4200, -26.8250, 18.0950



42.5220, 35.0220, 37.1180



44.5220, 6.3770, -21.9670



40.8570, -28.2390, -22.3750

Sweetspot

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



48.4200, -26.8250, 18.0950



118.7680, -10.7300, 7.2380



85.3210, -41.1690, -19.3210



57.1120, -6.0070, 4.2410



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



48.4200, -26.8250, 18.0950



46.9580, -42.5990, 28.6410



50.3240, -8.5790, 28.8370



49.2710, -2.2010, 1.3430



22.7300, -41.9570, 28.0190



47.3010, -87.7200, 58.9360

Inverse Universe

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



57.5650, 41.4900, 19.0100



61.4050, 65.7880, 30.2040



92.6760, 8.5790, -28.8370



49.9080, 3.2550, 1.5830



36.8070, 64.5960, 29.7800



77.0170, 135.4270, 62.2030

Previews

White Background



This preview shows how the YIQ color 48.4200, -26.8250, 18.0950 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 48.4200, -26.8250, 18.0950 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 48.4200, -26.8250, 18.0950

Background



This preview shows how black text looks on a background with the YIQ color 48.4200, -26.8250, 18.0950.



This preview shows how white text looks on a background with the YIQ color 48.4200, -26.8250,

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

48.4200, -26.8250, 18.0950

Protanopia

40.6190, -46.8590, 6.7170

Deuteranopia

40.6700, -42.8690, 0.4830



Tritanopia

39.7120, -34.6600, -10.6280

Trichromacy



Original Color

48.4200, -26.8250, 18.0950

Protanomaly

43.2610, -39.7990, 10.9290

Deuteranomaly

43.2950, -37.1390, 6.7730

Tritanomaly

43.0040, -32.1860, -0.3940

Monochromacy



Original Color

48.4200, -26.8250, 18.0950

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.4260, -9.7670, 6.3050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.4200, -26.8250, 18.0950 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(34, 44, 109)` looks like.

```
.text, #text, p{  
    color:rgb(34, 44, 109)  
}
```

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(34, 44, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 44, 109) }
```

Border

The CSS property to change the border of an element to YIQ 48.4200, -26.8250, 18.0950 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(34, 44, 109) }
```


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

```
.border{ border-color:rgb(34, 44, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 44, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 44, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 44, 109);  
box-shadow:4px 4px 4px 4px rgb(34, 44,  
109) }
```

Background

The CSS property to change the background color of an element to YIQ 48.4200, -26.8250, 18.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 44, 109) }
```

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

```
.background{ background-color: rgb(34, 44,  
109) }
```

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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