

Converting Colors

YIQ(51.8820, -62.6360, 33.8440)

Have a look what the booklet for
YIQ(51.8820, -62.6360, 33.8440)
contains.

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Color

**YIQ(51.8820, -62.6360,
33.8440)**

Conversions

Conversions Part 1

Format	Color
Hex	0D2FB3
RGB	13, 47, 179
RGB Percent	5%, 18%, 70%
CMY	0.9489, 0.8156, 0.2984
CMYK	0.93, 0.74, 0.00, 0.30
HSL	228°, 86%, 38%
HSV	228°, 93%, 70%
XYZ	9.3107, 5.3708, 43.1463
YIQ	51.8820, -62.6360, 33.8440

Conversions

Conversions Part 2

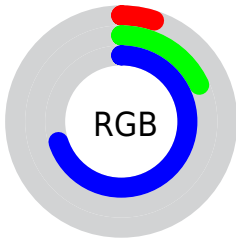
Format	Color
R _Y B	13, 41, 179
Decimal	864179
CIE Lab	27.77, 41.84, -71.44
CIE LCh	28, 82.794, 300.357
Yxy	5.3708, 0.1610, 0.0929
Android (android.graphics.Color)	4279054259 (0xFF0D2FB3)
YUV	51.8820, 62.6692, -34.0995
Hunter-Lab	23.1750, 31.1572, -94.1612

Details

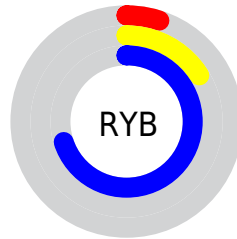
The YIQ color **51.8820, -62.6360, 33.8440** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **140.1180, 62.6360, -33.8440**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **111.3840, -43.1980, 45.0100**, and **18.3590, -42.0500, 35.2140** is the 20% darker color. If you saturate the color by 10%, you get **42.1250, -67.6340, 36.3180**, and if you desaturate by 10%, it is **65.4820, -55.7580, 30.3380**.

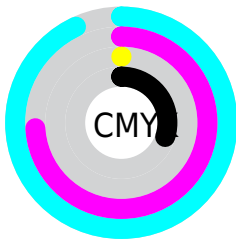
Distribution



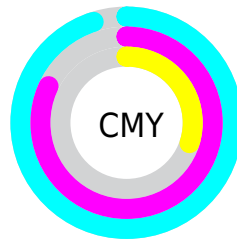
- Red (5%)
- Green (18%)
- Blue (70%)



- Red (5%)
- Yellow (16%)
- Blue (70%)



- Cyan (93%)
- Magenta (74%)
- Yellow (0%)
- Black (30%)



- Cyan (95%)
- Magenta (82%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.8820, -62.6360, 33.8440 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 51.8820, -62.6360, 33.8440 by changing the saturation by 10% instead.

■ 51.8820, -62.6360,
33.8440

■ 51.8820, -62.6360,
33.8440

■ 255.0000, -0.0000,
-0.0000

■ 32.4760, -55.6210,
33.3630

■ 111.3840,
-43.1980, 45.0100

■ 18.3590, -42.0500,
35.2140

■ 137.4940,
-37.6960, 44.4160

■ 11.2860, -31.7790,
30.7890

■ 162.0250,
-26.3700, 37.3900

■ 13.7190, -26.2290,
18.3070

■ 186.2570,
-15.6400, 30.1520

■ 8.0480, -17.1500,
13.4580

■ 211.6630, -5.4600,
21.8680

■ 4.3660, -9.5380,
7.6620

■ 237.3680, 5.3160,

■ 0.0000, 0.0000,

13.7960

0.0000

■ 51.8820, -62.6360,
33.8440

■ 51.8820, -62.6360,
33.8440

■ 42.1250, -67.6340,
36.3180

■ 65.4820, -55.7580,
30.3380

■ 79.0820, -48.8800,
26.8320

■ 93.2690, -42.2770,
22.8030

■ 106.8690,
-35.3990, 19.2970

■ 120.1700,
-29.1170, 15.5790

■ 133.7700,
-22.2390, 12.0730

■ 147.9570,
-15.6360, 8.0440

■ 161.5570, -8.7580,
4.5380

■ 175.1570, -1.8800,
1.0320

Harmonies

Analogous

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



67.7710, -84.7330, 21.3070



51.8820, -62.6360, 33.8440



55.4840, 39.3260, 69.2620

Triad

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



51.8820, -62.6360, 33.8440



54.7080, 68.5880, 12.4920



58.4790, -44.7900, -25.2860

Complementary

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



51.8820, -62.6360, 33.8440



140.1180, 62.6360, -33.8440

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.



49.3080, -23.1000, -43.9320



51.8820, -62.6360, 33.8440



61.7870, 30.6760, -16.3000

Square

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



51.8820, -62.6360, 33.8440



47.8830, 93.8010, 34.6410



46.3730, -21.7250, -41.3170



66.4760, -65.9300, -5.5940

Rectangle

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



51.8820, -62.6360, 33.8440



58.2850, 67.3870, 61.8110



46.3730, -21.7250, -41.3170



55.2700, -37.1320, -31.9160

Sweetspot

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



51.8820, -62.6360, 33.8440



182.0410, -24.4400, 13.4160



125.2620, -87.3800, -46.3880



86.8430, -15.3150, 7.7330



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

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



51.8820, -62.6360, 33.8440



54.6240, -87.6720, 47.0480



45.9770, -25.2740, 61.5900



82.2000, -3.4390, 1.7530



35.6390, -57.6380, 31.3700



5.8990, -9.7210, 5.4710

Inverse Universe

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



66.5100, 88.0220, 45.7660



74.8400, 122.8640, 64.1120



146.0230, 25.2740, -61.5900



82.9190, 4.7220, 2.5300



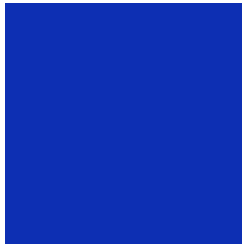
49.2810, 81.2370, 42.0770



8.3440, 13.8910, 7.0670

Previews

White Background



This preview shows how the YIQ color 51.8820, -62.6360, 33.8440 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 51.8820, -62.6360, 33.8440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

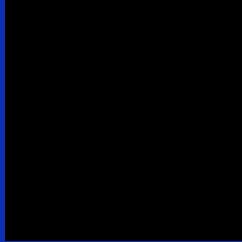
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.8820, -62.6360, 33.8440

Background



This preview shows how black text looks on a background with the YIQ color 51.8820, -62.6360, 33.8440.



This preview shows how white text looks on a background with the YIQ color 51.8820, -62.6360,

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

51.8820, -62.6360, 33.8440

Protanopia

52.1430, -60.0180, 8.4140

Deuteranopia

52.7980, -54.9730, -0.4210



Tritanopia

51.6290, -44.7920, -14.2320

Trichromacy



Original Color

51.8820, -62.6360, 33.8440

Protanomaly

52.0540, -60.8450, 17.8990

Deuteranomaly

52.3330, -57.4970, 12.2870

Tritanomaly

52.0590, -51.2140, 3.0420

Monochromacy



Original Color

51.8820, -62.6360, 33.8440

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.8840, -22.5600, 12.3840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.8820, -62.6360, 33.8440 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(13, 47, 179)` looks like.

```
.text, #text, p{  
    color:rgb(13, 47, 179)  
}
```

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(13, 47, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 47, 179) }
```

Border

The CSS property to change the border of an element to YIQ 51.8820, -62.6360, 33.8440 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(13, 47, 179) }
```


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

```
.border{ border-color:rgb(13, 47, 179) }
```

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

Here you see how a box with a 4 pixel rgb(13, 47, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 47, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 47, 179);  
box-shadow:4px 4px 4px 4px rgb(13, 47,  
179) }
```

Background

The CSS property to change the background color of an element to YIQ 51.8820, -62.6360, 33.8440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 47, 179) }
```

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

```
.background{ background-color: rgb(13, 47,  
179) }
```

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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