

Converting Colors

YIQ(48.8670, 1.3320, -13.1320)

Have a look what the booklet for
YIQ(48.8670, 1.3320, -13.1320)
contains.

YIQ(48.8670, 1.3320, -13.1320)	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(48.8670, 1.3320,
-13.1320)**

Conversions

Conversions Part 1

Format	Color
Hex	2A3919
RGB	42, 57, 25
RGB Percent	16%, 22%, 10%
CMY	0.8353, 0.7764, 0.9019
CMYK	0.26, 0.00, 0.56, 0.78
HSL	88°, 39%, 16%
HSV	88°, 56%, 22%
XYZ	2.5933, 3.4890, 1.4569
YIQ	48.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

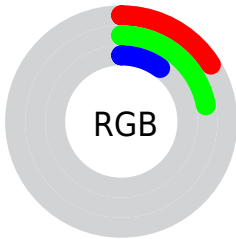
Format	Color
R_{YB}	25, 57, 40
Decimal	2767129
CIE Lab	21.90, -12.86, 17.87
CIE LCh	22, 22.017, 125.734
Yxy	3.4890, 0.3440, 0.4628
Android (android.graphics.Color)	4280957209 (0xFF2A3919)
YUV	48.8670, -11.7664, -6.0224
Hunter-Lab	18.6790, -7.9065, 8.4508

Details

The YIQ color **48.8670, 1.3320, -13.1320** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **33.1330, -1.3320, 13.1320**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.2260, 1.6990, -14.2770**, and **7.6310, -3.5750, -6.7990** is the 20% darker color. If you saturate the color by 10%, you get **47.2860, 1.4700, -15.6340**, and if you desaturate by 10%, it is **50.4480, 1.1940, -10.6300**.

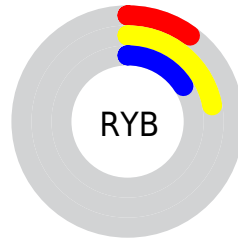
Distribution



Red (16%)

Green (22%)

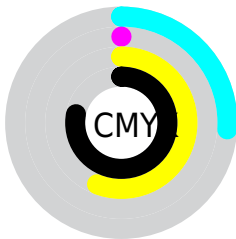
Blue (10%)



Red (10%)

Yellow (22%)

Blue (16%)

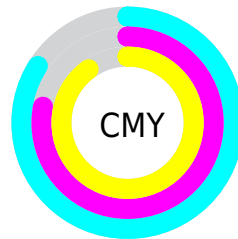


Cyan (26%)

Magenta (0%)

Yellow (56%)

Black (78%)



Cyan (84%)

Magenta (78%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.8670, 1.3320, -13.1320 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 48.8670, 1.3320, -13.1320 by changing the saturation by 10% instead.

■ 48.8670, 1.3320,
-13.1320

■ 48.8670, 1.3320,
-13.1320

■ 254.8860, 0.3210,
-0.3110

■ 27.1230, 3.4870,
-13.6410

■ 95.2260, 1.6990,
-14.2770

■ 7.6310, -3.5750,
-6.7990

■ 120.1120, 2.0200,
-14.5880

■ 0.0000, 0.0000,
0.0000

■ 145.9980, 2.3410,
-14.8990

■ 172.4710, 2.3870,
-15.7330

■ 200.0580, 2.1120,
-16.2560

■ 227.9440, 2.4330,

-16.5670

■ 249.7860, 6.0540,
-10.6020

■ 48.8670, 1.3320,
-13.1320

■ 48.8670, 1.3320,
-13.1320

■ 47.2860, 1.4700,
-15.6340

■ 50.4480, 1.1940,
-10.6300

■ 46.1180, 1.8830,
-17.6130

■ 51.6160, 0.7810,
-8.6510

■ 44.5370, 2.0210,
-20.1150

■ 53.1970, 0.6430,
-6.1490

■ 42.9560, 2.1590,
-22.6170

■ 54.7780, 0.5050,
-3.6470

■ 42.4290, 2.2050,
-23.4510

■ 56.0600, -0.2290,
-1.3570

■ 57.5270, -0.0460,
0.8340

■ 59.1080, -0.1840,
3.3360

■ 60.3900, -0.9180,
5.6260

■ 61.8570, -0.7350,
7.8170

Harmonies

Analogous

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



50.9180, 14.4900, -9.3020



48.8670, 1.3320, -13.1320



45.5320, -16.7780, -15.3220

Triad

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



48.8670, 1.3320, -13.1320



43.3940, -42.2720, -4.8320



53.4100, 22.6930, 12.7490

Complementary

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



48.8670, 1.3320, -13.1320



33.1330, -1.3320, 13.1320

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.



54.0160, 12.2390, 14.9830



48.8670, 1.3320, -13.1320



49.7710, -23.9800, 5.0760

Square

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



48.8670, 1.3320, -13.1320



43.3140, -39.2910, -9.2990



53.9370, -3.7160, 12.2840



52.1620, 26.0870, 6.3030

Rectangle

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



48.8670, 1.3320, -13.1320



41.3930, -32.5040, -16.6640



53.9370, -3.7160, 12.2840



53.3820, 19.8960, 13.8800

Sweetspot

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



48.8670, 1.3320, -13.1320



70.7240, 0.5970, -5.3150



43.3730, 14.9470, -1.0610



36.3050, 0.4590, -2.8130



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



48.8670, 1.3320, -13.1320



61.4230, 2.3420, -20.4260



44.0830, -8.2040, -16.5240



27.3590, 0.3670, -1.1450



68.6550, 3.9040, -37.7280



163.2370, 8.9110, -89.9450

Inverse Universe

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



33.1330, -1.3320, 13.1320



36.8760, -1.7460, 20.6380



37.9170, 8.2040, 16.5240



25.9400, 0.2290, 1.3570



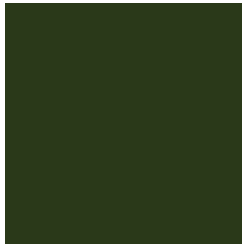
23.3450, -3.9040, 37.7280



55.7630, -8.9110, 89.9450

Previews

White Background



This preview shows how the YIQ color 48.8670, 1.3320, -13.1320 looks on a white background.

Color Contrast Check

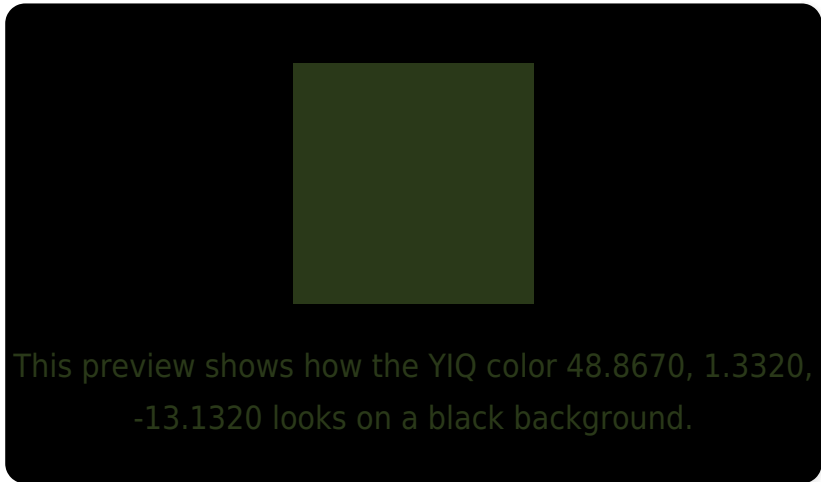
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8670, 1.3320, -13.1320

Background



This preview shows how black text looks on a background with the YIQ color 48.8670, 1.3320, -13.1320.



This preview shows how white text looks on a background with the YIQ color 48.8670, 1.3320,

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

48.8670, 1.3320, -13.1320

Protanopia

50.6020, 12.5640, -7.4360

Deuteranopia

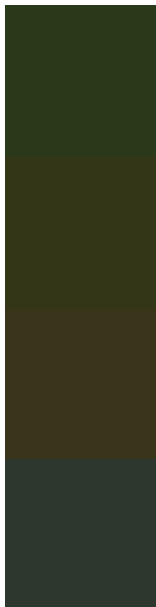
51.5640, 15.7270, -4.1850



Tritanopia

52.3630, -5.4560, -0.2400

Trichromacy



Original Color

48.8670, 1.3320, -13.1320

Protanomaly

49.9820, 8.4380, -9.7540

Deuteranomaly

50.8190, 10.4550, -7.7610

Tritanomaly

50.9840, -3.0710, -4.9190

Monochromacy



Original Color

48.8670, 1.3320, -13.1320

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8380, 0.2760, -5.0040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.8670, 1.3320, -13.1320 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(42, 57, 25)` looks like.

```
.text, #text, p{  
    color:rgb(42, 57, 25)  
}
```

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(42, 57, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 57, 25) }
```

Border

The CSS property to change the border of an element to YIQ 48.8670, 1.3320, -13.1320 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(42, 57, 25) }
```


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

```
.border{ border-color:rgb(42, 57, 25) }
```

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

Here you see how a box with a 4 pixel rgb(42, 57, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 57, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 57, 25);  
box-shadow:4px 4px 4px 4px rgb(42, 57, 25)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.8670, 1.3320, -13.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 57, 25) }
```

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

```
.background{ background-color: rgb(42, 57,  
25) }
```

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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