

Converting Colors

YIQ(84.8670, -50.2530, 13.1630)

Have a look what the booklet for
YIQ(84.8670, -50.2530, 13.1630)
contains.

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Color

**YIQ(84.8670, -50.2530,
13.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	2D5AA3
RGB	45, 90, 163
RGB Percent	18%, 35%, 64%
CMY	0.8236, 0.6470, 0.3610
CMYK	0.72, 0.45, 0.00, 0.36
HSL	217°, 57%, 41%
HSV	217°, 72%, 64%
XYZ	11.3443, 10.5151, 36.0514
YIQ	84.8670, -50.2530, 13.1630

Conversions

Conversions Part 2

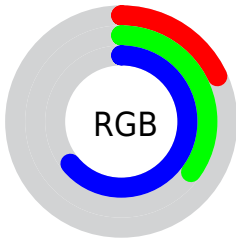
Format	Color
R _Y B	45, 78, 163
Decimal	2972323
CIE Lab	38.75, 10.18, -43.96
CIE LCh	39, 45.126, 283.038
Yxy	10.5151, 0.1959, 0.1816
Android (android.graphics.Color)	4281162403 (0xFF2D5AA3)
YUV	84.8670, 38.5196, -34.9634
Hunter-Lab	32.4270, 5.6994, -43.2180




Details

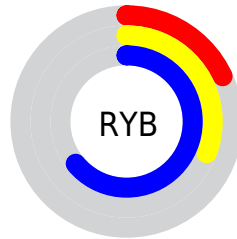
The YIQ color **84.8670, -50.2530, 13.1630** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **123.1330, 50.2530, -13.1630**, and the grayscale version is **85.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **138.7260, -45.3020, 17.0500**, and **39.0690, -48.0060, 10.9860** is the 20% darker color. If you saturate the color by 10%, you get **74.2130, -57.0390, 15.0010**, and if you desaturate by 10%, it is **95.5210, -43.4670, 11.3250**.

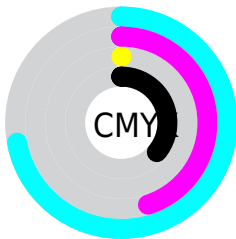
Distribution







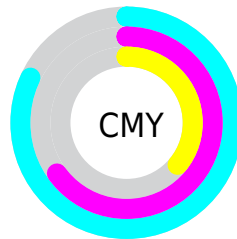
-  Red (18%)
-  Green (35%)
-  Blue (64%)






-  Red (18%)
-  Yellow (31%)
-  Blue (64%)



-  Cyan (72%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (36%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.8670, -50.2530, 13.1630 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 84.8670, -50.2530, 13.1630 by changing the saturation by 10% instead.

■ 84.8670, -50.2530,
13.1630

■ 84.8670, -50.2530,
13.1630

■ 255.0000, -0.0000,
-0.0000

■ 54.8330, -62.0810,
7.2550

■ 138.7260,
-45.3020, 17.0500

■ 39.0690, -48.0060,
10.9860

■ 165.6660,
-45.0730, 18.4070

■ 25.0660, -34.7560,
13.1480

■ 191.0980,
-37.7820, 12.9220

■ 8.2420, -20.4520,
18.2360

■ 216.2050,
-28.1980, 4.4260

■ 6.2070, -13.3440,
10.5600

■ 241.3120,
-18.6140, -4.0700

■ 2.5250, -5.7320,
4.7640

■ 253.8040, -2.3840,

■ 0.0000, 0.0000,

-0.8480

0.0000

■ 84.8670, -50.2530,
13.1630

■ 84.8670, -50.2530,
13.1630

■ 74.2130, -57.0390,
15.0010

■ 95.5210, -43.4670,
11.3250

■ 63.2600, -64.4210,
16.6270

■ 106.4740,
-36.0850, 9.6990

■ 54.9760, -69.3730,
18.2670

■ 117.1280,
-29.2990, 7.8610

■ 127.7820,
-22.5130, 6.0230

■ 138.4360,
-15.7270, 4.1850

■ 149.3890, -8.3450,
2.5590

■ 160.6300, -1.8340,
0.1980

■ 171.2840, 4.9520,
-1.6400

■ 182.2370, 12.3340,
-3.2660

Harmonies

Analogous

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



77.6410, -79.4560, -2.7520



84.8670, -50.2530, 13.1630



93.7550, 0.4530, 30.3490

Triad

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



84.8670, -50.2530, 13.1630



88.7820, 56.5760, 9.9200



70.6750, -51.5740, -34.5020

Complementary

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



84.8670, -50.2530, 13.1630



123.1330, 50.2530, -13.1630

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.



80.0700, -7.3300, -32.3700



84.8670, -50.2530, 13.1630



87.4040, 48.0520, -11.8200

Square

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



84.8670, -50.2530, 13.1630



88.5930, 53.4550, 27.9430



84.2670, 28.8440, -27.1560



76.1810, -64.3220, -23.7300

Rectangle

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



84.8670, -50.2530, 13.1630



93.0800, 24.5230, 34.6590



84.2670, 28.8440, -27.1560



68.6060, -47.1260, -38.0220

Sweetspot

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



84.8670, -50.2530, 13.1630



180.9240, -20.0370, 5.2030



122.5880, -55.8830, -39.0110



88.6490, -12.0130, 2.9550



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



84.8670, -50.2530, 13.1630



90.0660, -78.3140, 20.6140



62.6380, -29.5340, 39.6660



76.3740, -3.9890, 0.7070



48.8150, -61.6700, 16.3300



6.1610, -7.7030, 1.9370

Inverse Universe

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



85.4120, 55.8830, 39.0110



90.9960, 87.1940, 60.7780



145.3620, 29.5340, -39.6660



76.1470, 4.0800, 3.1520



49.6250, 68.7650, 47.8450



6.1800, 8.4810, 5.9930

Previews

White Background



This preview shows how the YIQ color 84.8670, -50.2530, 13.1630 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 × Fail

Black Background



This preview shows how the YIQ color 84.8670, -50.2530, 13.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

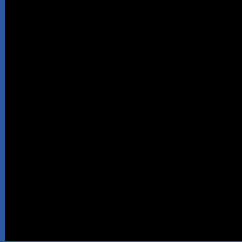
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.8670, -50.2530, 13.1630

Background



This preview shows how black text looks on a background with the YIQ color 84.8670, -50.2530, 13.1630.



This preview shows how white text looks on a background with the YIQ color 84.8670, -50.2530,

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

84.8670, -50.2530, 13.1630

Protanopia

87.0530, -41.9090, 16.1310

Deuteranopia

78.7510, -64.7860, 6.7180



Tritanopia

71.7130, -62.7640, -18.9240

Trichromacy



Original Color

84.8670, -50.2530, 13.1630

Protanomaly

86.5580, -44.8890, 15.0710

Deuteranomaly

80.8550, -59.1470, 9.1490

Tritanomaly

76.4290, -58.5480, -7.2200

Monochromacy



Original Color

84.8670, -50.2530, 13.1630

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.8810, -18.4780, 4.4820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.8670, -50.2530, 13.1630 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(45, 90, 163)` looks like.

```
.text, #text, p{  
    color:rgb(45, 90, 163)  
}
```

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(45, 90, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 90, 163) }
```

Border

The CSS property to change the border of an element to YIQ 84.8670, -50.2530, 13.1630 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(45, 90, 163) }
```


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

```
.border{ border-color:rgb(45, 90, 163) }
```

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

Here you see how a box with a 4 pixel rgb(45, 90, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 90, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 90, 163);  
box-shadow:4px 4px 4px 4px rgb(45, 90,  
163) }
```

Background

The CSS property to change the background color of an element to YIQ 84.8670, -50.2530, 13.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 90, 163) }
```

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

```
.background{ background-color: rgb(45, 90,  
163) }
```

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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