

Converting Colors

YIQ(86.1560, -42.5560, 44.3880)

Have a look what the booklet for
YIQ(86.1560, -42.5560, 44.3880)
contains.

YIQ(86.1560, -42.5560, 44.3880)	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(86.1560, -42.5560,
44.3880)**

Conversions

Conversions Part 1

Format	Color
Hex	4945D1
RGB	73, 69, 209
RGB Percent	29%, 27%, 82%
CMY	0.7136, 0.7294, 0.1807
CMYK	0.65, 0.67, 0.00, 0.18
HSL	242°, 60%, 54%
HSV	242°, 67%, 82%
XYZ	16.3774, 10.2735, 61.3955
YIQ	86.1560, -42.5560, 44.3880

Conversions

Conversions Part 2

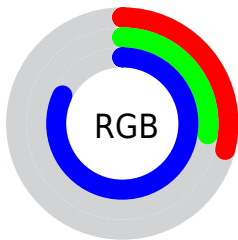
Format	Color
R_{YB}	73, 69, 209
Decimal	4802001
CIE _{Lab}	38.33, 44.06, -71.56
CIE _{LCh}	38, 84.034, 301.618
Yxy	10.2735, 0.1860, 0.1167
Android (android.graphics.Color)	4282992081 (0xFF4945D1)
YUV	86.1560, 60.5621, -11.5378
Hunter-Lab	32.0522, 35.1150, -91.1324

Details

The YIQ color **86.1560, -42.5560, 44.3880** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **191.8440, 42.5560, -44.3880**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.0000, -33.2490, 46.4230**, and **31.5300, -55.7130, 35.0310** is the 20% darker color. If you saturate the color by 10%, you get **67.8490, -48.7010, 51.1310**, and if you desaturate by 10%, it is **104.4630, -36.4110, 37.6450**.

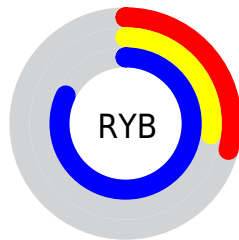
Distribution



Red (29%)

Green (27%)

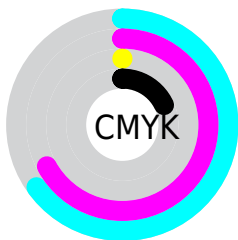
Blue (82%)



Red (29%)

Yellow (27%)

Blue (82%)

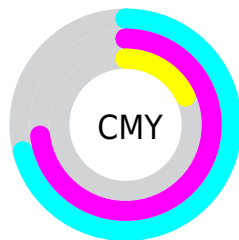


Cyan (65%)

Magenta (67%)

Yellow (0%)

Black (18%)



Cyan (71%)

Magenta (73%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.1560, -42.5560, 44.3880 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 86.1560, -42.5560, 44.3880 by changing the saturation by 10% instead.

■ 86.1560, -42.5560,
44.3880

■ 86.1560, -42.5560,
44.3880

■ 255.0000, -0.0000,
-0.0000

■ 57.2040, -51.6790,
39.0170

■ 139.0000,
-33.2490, 46.4230

■ 31.5300, -55.7130,
35.0310

■ 163.5310,
-21.9230, 39.3970

■ 16.7120, -41.5460,
37.0940

■ 188.3500,
-11.4680, 31.6360

■ 11.5140, -32.4210,
31.4110

■ 213.1690, -1.0130,
23.8750

■ 13.8330, -26.5500,
18.6180

■ 238.5640, 7.7000,
14.6440

■ 8.2760, -17.7920,
14.0800

■ 4.5940, -10.1800,

8.2840

■ 0.0000, 0.0000,
0.0000

■ 86.1560, -42.5560,
44.3880

■ 86.1560, -42.5560,
44.3880

■ 67.8490, -48.7010,
51.1310

■ 104.4630,
-36.4110, 37.6450

■ 49.2430, -55.4420,
57.6620

■ 123.0690,
-29.6700, 31.1140

■ 30.9360, -61.5870,
64.4050

■ 141.3760,
-23.5250, 24.3710

■ 25.6200, -63.5130,
66.2710

■ 159.6830,
-17.3800, 17.6280

■ 177.4030,
-10.9600, 11.4080

■ 196.0090, -4.2190,
4.8770

■ 214.3160, 1.9260,
-1.8660

■ 232.6230, 8.0710,
-8.6090

■ 249.7560, 14.7660,
-14.3060

Harmonies

Analogous

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



84.9200, -101.3300, 19.2300



86.1560, -42.5560, 44.3880



68.6140, 51.2440, 84.5560

Triad

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



86.1560, -42.5560, 44.3880



81.2990, 79.6850, 4.1090



77.9930, -61.1570, -31.5330

Complementary

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



86.1560, -42.5560, 44.3880



191.8440, 42.5560, -44.3880

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.



66.8840, -34.0100, -55.4660



86.1560, -42.5560, 44.3880



84.5350, 39.8930, -23.6510

Square

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



86.1560, -42.5560, 44.3880



60.6280, 108.2410, 48.2810



70.0070, -12.1870, -48.9790



86.4460, -83.5810, -10.5970

Rectangle

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



86.1560, -42.5560, 44.3880



71.0730, 80.2680, 76.1720



70.0070, -12.1870, -48.9790



75.2570, -53.4530, -38.9970

Sweetspot

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



86.1560, -42.5560, 44.3880



210.1130, -15.7750, 16.0730



165.9660, -82.8900, -28.6340



100.8330, -9.3550, 9.8530



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



86.1560, -42.5560, 44.3880



76.0500, -61.9080, 64.7160



106.4880, -2.0280, 58.8040



95.2540, -3.5310, 3.4210



20.6470, -50.9480, 53.3080



4.9730, -12.5650, 12.9630

Inverse Universe

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



126.3640, 39.7840, 71.9760



134.5680, 58.0260, 104.8260



171.5120, 2.0280, -58.8040



98.4290, 3.3460, 5.4420



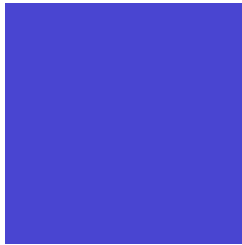
68.8140, 47.8050, 86.3090



16.8190, 11.5960, 21.1320

Previews

White Background



This preview shows how the YIQ color 86.1560, -42.5560, 44.3880 looks on a white background.

Color Contrast Check

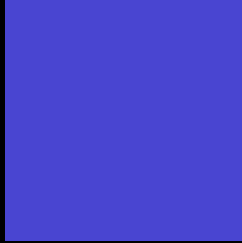
Large Text (above 18pt) WCAG AA ✓ Pass

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 86.1560, -42.5560, 44.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

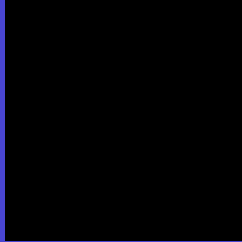
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.1560, -42.5560, 44.3880

Background



This preview shows how black text looks on a background with the YIQ color 86.1560, -42.5560, 44.3880.



This preview shows how white text looks on a background with the YIQ color 86.1560, -42.5560,

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

86.1560, -42.5560, 44.3880

Protanopia

71.9310, -82.6680, 11.4120

Deuteranopia

71.9020, -75.6970, 0.7110



Tritanopia

70.8980, -61.8470, -19.0230

Trichromacy



Original Color

86.1560, -42.5560, 44.3880

Protanomaly

76.9210, -67.5400, 23.5960

Deuteranomaly

77.4450, -63.5040, 16.5280

Tritanomaly

76.7320, -54.6070, 3.9610

Monochromacy



Original Color

86.1560, -42.5560, 44.3880

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.1130, -15.7750, 16.0730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.1560, -42.5560, 44.3880 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(73, 69, 209)` looks like.

```
.text, #text, p{  
    color:rgb(73, 69, 209)  
}
```

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(73, 69, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 69, 209) }
```

Border

The CSS property to change the border of an element to YIQ 86.1560, -42.5560, 44.3880 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(73, 69, 209) }
```


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

```
.border{ border-color:rgb(73, 69, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 69, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 69, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 69, 209);  
box-shadow:4px 4px 4px 4px rgb(73, 69,  
209) }
```

Background

The CSS property to change the background color of an element to YIQ 86.1560, -42.5560, 44.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 69, 209) }
```

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

```
.background{ background-color: rgb(73, 69,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor