

Converting Colors

YIQ(50.0130, -15.7870, 82.3970)

Have a look what the booklet for
YIQ(50.0130, -15.7870, 82.3970)
contains.

YIQ(50.0130, -15.7870, 82.3970)	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(50.0130, -15.7870,
82.3970)**

Conversions

Conversions Part 1

Format	Color
Hex	5601D0
RGB	86, 1, 208
RGB Percent	34%, 0%, 82%
CMY	0.6624, 0.9963, 0.1845
CMYK	0.59, 1.00, 0.00, 0.18
HSL	265°, 99%, 41%
HSV	265°, 100%, 82%
XYZ	15.2342, 6.5547, 60.1001
YIQ	50.0130, -15.7870, 82.3970

Conversions

Conversions Part 2

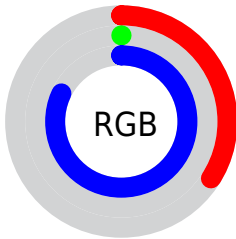
Format	Color
R _Y B	86, 1, 208
Decimal	5636560
CIE Lab	30.77, 70.00, -83.42
CIE LCh	31, 108.900, 310.002
Yxy	6.5547, 0.1860, 0.0800
Android (android.graphics.Color)	4283826640 (0xFF5601D0)
YUV	50.0130, 77.8876, 31.5606
Hunter-Lab	25.6021, 61.4105, -121.2601

Details

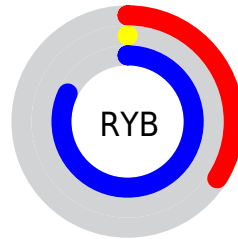
The YIQ color **50.0130, -15.7870, 82.3970** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **158.9870, 15.7870, -82.3970**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.1840, -12.2550, 73.4490**, and **17.3280, -48.7920, 47.2720** is the 20% darker color. If you saturate the color by 10%, you get **49.4260, -15.5120, 82.9200**, and if you desaturate by 10%, it is **65.9280, -14.4100, 73.9580**.

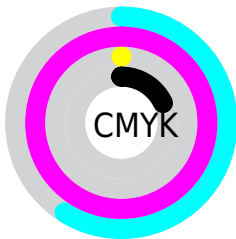
Distribution



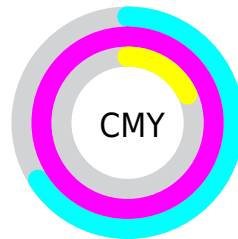
- Red (34%)
- Green (0%)
- Blue (82%)



- Red (34%)
- Yellow (0%)
- Blue (82%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.0130, -15.7870, 82.3970 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 50.0130, -15.7870, 82.3970 by changing the saturation by 10% instead.

■ 50.0130, -15.7870,
82.3970

■ 50.0130, -15.7870,
82.3970

■ 255.0000, -0.0000,
-0.0000

■ 35.1710, -28.5760,
66.3680

■ 116.1840,
-12.2550, 73.4490

■ 17.3280, -48.7920,
47.2720

■ 141.3020, -1.2040,
65.9000

■ 14.2500, -40.1250,
38.8750

■ 167.0070, 9.5720,
57.8280

■ 11.2860, -31.7790,
30.7890

■ 192.4130, 19.7520,
49.5440

■ 13.7190, -26.2290,
18.3070

■ 212.7360, 19.8000,
37.6560


■ 8.0480, -17.1500,
13.4580


■ 229.7590, 11.8250,


■ 4.3660, -9.5380,


22.4890


7.6620


 246.7820, 3.8500,
7.3220


 0.0000, 0.0000,
0.0000


 50.0130, -15.7870,
82.3970

 50.0130, -15.7870,
82.3970

 49.4260, -15.5120,
82.9200

 65.9280, -14.4100,
73.9580

 82.1420, -12.4370,
65.7310

 97.4700, -10.7850,
57.8150

 113.3850, -9.4080,
49.3760

 129.3000, -8.0310,
40.9370

■ 145.5140, -6.0580,
32.7100

■ 161.4290, -4.6810,
24.2710

■ 176.7570, -3.0290,
16.3550

■ 192.6720, -1.6520,
7.9160

Harmonies

Analogous

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



75.9330, -102.2040, 35.0760



50.0130, -15.7870, 82.3970



70.1780, 66.9710, 80.3710

Triad

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



50.0130, -15.7870, 82.3970



63.8340, 67.9930, 6.7530



69.0400, -59.3710, -19.8430

Complementary

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



50.0130, -15.7870, 82.3970



158.9870, 15.7870, -82.3970

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.



56.3520, -26.4000, -50.2080



50.0130, -15.7870, 82.3970



65.2100, 15.8230, -27.9610

Square

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



50.0130, -15.7870, 82.3970



54.4180, 108.4720, 38.5840



54.0040, -25.3000, -48.1160



80.2630, -86.8390, 4.4010

Rectangle

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



50.0130, -15.7870, 82.3970



69.7740, 96.8670, 67.1950



54.0040, -25.3000, -48.1160



65.0330, -49.4660, -28.6500

Sweetspot

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



50.0130, -15.7870, 82.3970



196.9330, -5.9200, 30.2080



97.3860, -100.5470, -0.4750



92.6260, -4.0380, 18.1220



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.



50.0130, -15.7870, 82.3970



60.4650, -19.2750, 101.5650



80.2120, 44.4090, 103.8090



96.4500, -1.1470, 4.2690



39.7830, -12.8040, 66.8760



9.7570, -3.0290, 16.3550

Inverse Universe

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



76.8010, 84.2100, 81.8260



93.3450, 103.8300, 100.7100



128.7880, -44.4090, -103.8090



97.9730, 4.6300, 4.1980



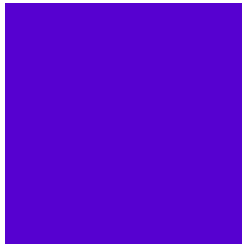
61.5180, 68.3490, 66.4050



14.9950, 16.7320, 16.1560

Previews

White Background



This preview shows how the YIQ color 50.0130, -15.7870, 82.3970 looks on a white background.

Color Contrast Check

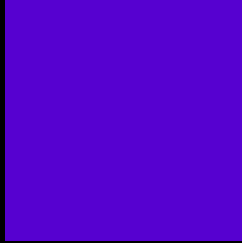
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.0130, -15.7870, 82.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

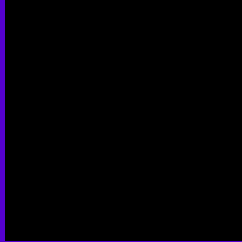
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.0130, -15.7870, 82.3970

Background



This preview shows how black text looks on a background with the YIQ color 50.0130, -15.7870, 82.3970.



This preview shows how white text looks on a background with the YIQ color 50.0130, -15.7870,

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

50.0130, -15.7870, 82.3970

Protanopia

59.4780, -68.2710, 9.3050

Deuteranopia

59.7910, -62.2630, -0.4630



Tritanopia

67.6310, -29.9380, -8.0980

Trichromacy



Original Color

50.0130, -15.7870, 82.3970

Protanomaly

55.8790, -49.3860, 36.0060

Deuteranomaly

55.9300, -45.3960, 29.7720

Tritanomaly

61.3050, -24.7630, 24.7810

Monochromacy



Original Color

50.0130, -15.7870, 82.3970

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8190, -5.5990, 29.8970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.0130, -15.7870, 82.3970 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(86, 1, 208)` looks like.

```
.text, #text, p{  
    color:rgb(86, 1, 208)  
}
```

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(86, 1, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 1, 208) }
```

Border

The CSS property to change the border of an element to YIQ 50.0130, -15.7870, 82.3970 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(86, 1, 208) }
```


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

```
.border{ border-color:rgb(86, 1, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 1, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 1, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 1, 208);  
box-shadow:4px 4px 4px 4px rgb(86, 1, 208)  
}
```

Background

The CSS property to change the background color of an element to YIQ 50.0130, -15.7870, 82.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 1, 208) }
```

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

```
.background{ background-color: rgb(86, 1,  
208) }
```

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