

Converting Colors

YIQ(84.4500, -71.0680, 10.4360)

Have a look what the booklet for
YIQ(84.4500, -71.0680, 10.4360)
contains.

YIQ(84.4500, -71.0680, 10.4360)	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(84.4500, -71.0680,
10.4360)**

Conversions

Conversions Part 1

Format	Color
Hex	1761B5
RGB	23, 97, 181
RGB Percent	9%, 38%, 71%
CMY	0.9099, 0.6195, 0.2905
CMYK	0.87, 0.46, 0.00, 0.29
HSL	212°, 77%, 40%
HSV	212°, 87%, 71%
XYZ	12.9616, 12.0695, 45.3150
YIQ	84.4500, -71.0680, 10.4360

Conversions

Conversions Part 2

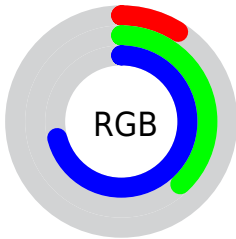
Format	Color
R_{YB}	23, 73, 181
Decimal	1532341
CIE _{Lab}	41.33, 10.26, -50.48
CIE _{LCh}	41, 51.516, 281.493
Yxy	12.0695, 0.1843, 0.1716
Android (android.graphics.Color)	4279722421 (0xFF1761B5)
YUV	84.4500, 47.5991, -53.8917
Hunter-Lab	34.7412, 5.7995, -53.0165

Details

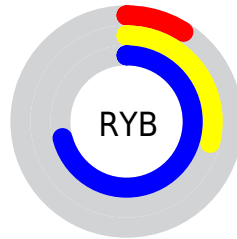
The YIQ color **84.4500, -71.0680, 10.4360** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **119.5500, 71.0680, -10.4360**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.6090, -58.0940, 17.6020**, and **45.0020, -55.0670, 12.3010** is the 20% darker color. If you saturate the color by 10%, you get **73.1980, -79.0460, 11.8500**, and if you desaturate by 10%, it is **95.7020, -63.0900, 9.0220**.

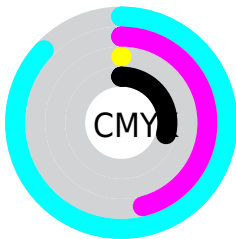
Distribution



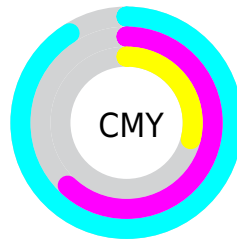
- Red (9%)
- Green (38%)
- Blue (71%)



- Red (9%)
- Yellow (29%)
- Blue (71%)



- Cyan (87%)
- Magenta (46%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.4500, -71.0680, 10.4360 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 84.4500, -71.0680, 10.4360 by changing the saturation by 10% instead.

■ 84.4500, -71.0680,
10.4360

■ 84.4500, -71.0680,
10.4360

■ 255.0000, -0.0000,
-0.0000

■ 60.9940, -69.7840,
9.1920

■ 142.6090,
-58.0940, 17.6020

■ 45.0020, -55.0670,
12.3010

■ 168.8930,
-53.1420, 15.9620

■ 30.4120, -41.5420,
14.9860

■ 194.2990,
-42.9620, 7.6780

■ 12.3000, -26.3670,
20.8090

■ 219.7050,
-32.7820, -0.6060

■ 8.9770, -18.3880,
13.8680

■ 243.9370,
-22.0520, -7.8440

■ 4.7080, -10.5010,
8.5950

■ 252.9070, -4.1720,

■ 0.3420, -0.9630,

-1.4840

0.9330

■ 0.0000, 0.0000,
0.0000

■ 84.4500, -71.0680,
10.4360

■ 84.4500, -71.0680,
10.4360

■ 73.1980, -79.0460,
11.8500

■ 95.7020, -63.0900,
9.0220

■ 70.5290, -81.4760,
11.8360

■ 106.3670,
-54.8370, 8.1310

■ 117.6190,
-46.8590, 6.7170

■ 128.2840,
-38.6060, 5.8260

■ 139.5360,
-30.6280, 4.4120

■ 151.0870,
-22.0540, 3.2100

■ 161.7520,
-13.8010, 2.3190

■ 173.0040, -5.8230,
0.9050

■ 184.2560, 2.1550,
-0.5090

Harmonies

Analogous

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



84.2750, -87.1130, -1.6490



84.4500, -71.0680, 10.4360



100.6070, -1.8860, 34.1940

Triad

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



84.4500, -71.0680, 10.4360



93.2670, 65.5160, 13.1000



75.3710, -53.7740, -38.6860

Complementary

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



84.4500, -71.0680, 10.4360



119.5500, 71.0680, -10.4360

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.



84.0930, -6.1370, -37.4730



84.4500, -71.0680, 10.4360



92.4990, 57.9100, -14.2660

Square

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



84.4500, -71.0680, 10.4360



92.3000, 61.8900, 34.7700



89.7850, 33.0170, -31.1990



81.5610, -68.4480, -26.0480

Rectangle

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



84.4500, -71.0680, 10.4360



98.5520, 26.3100, 40.8220



89.7850, 33.0170, -31.1990



73.1880, -49.0050, -42.5170

Sweetspot

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



84.4500, -71.0680, 10.4360



197.3900, -27.2810, 4.3270



125.0940, -69.7720, -57.1320



95.0830, -16.2310, 2.3050



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.



84.4500, -71.0680, 10.4360



91.3600, -105.6850, 15.5550



41.9090, -48.9300, 49.7740



83.9610, -4.2640, 0.1840



59.7060, -68.9130, 9.9270



10.0080, -11.6460, 1.8100

Inverse Universe

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



78.6780, 70.4140, 56.5100



82.8050, 104.7500, 84.0300



162.0910, 48.9300, -49.7740



83.2610, 3.7590, 3.4630



53.9550, 68.0760, 54.8280



9.1420, 11.6440, 9.2440

Previews

White Background



This preview shows how the YIQ color 84.4500, -71.0680, 10.4360 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 84.4500, -71.0680, 10.4360 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 84.4500, -71.0680, 10.4360

Background



This preview shows how black text looks on a background with the YIQ color 84.4500, -71.0680, 10.4360.



This preview shows how white text looks on a background with the YIQ color 84.4500, -71.0680,

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

84.4500, -71.0680, 10.4360

Protanopia

91.9150, -50.2080, 17.8560

Deuteranopia

77.9490, -83.0790, 2.3370



Tritanopia

76.5060, -66.6150, -20.7190

Trichromacy



Original Color

84.4500, -71.0680, 10.4360

Protanomaly

89.0280, -57.9560, 15.1000

Deuteranomaly

80.0960, -78.9990, 5.4890

Tritanomaly

79.2860, -68.4510, -9.4670

Monochromacy



Original Color

84.4500, -71.0680, 10.4360

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

84.3470, -25.7220, 3.6060

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.4500, -71.0680, 10.4360 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(23, 97, 181)` looks like.

```
.text, #text, p{  
  color:rgb(23, 97, 181)  
}
```

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(23, 97, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 97, 181) }
```

Border

The CSS property to change the border of an element to YIQ 84.4500, -71.0680, 10.4360 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(23, 97, 181) }
```


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

```
.border{ border-color:rgb(23, 97, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 97, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 97, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 97, 181);  
box-shadow:4px 4px 4px 4px rgb(23, 97,  
181) }
```

Background

The CSS property to change the background color of an element to YIQ 84.4500, -71.0680, 10.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 97, 181) }
```

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

```
.background{ background-color: rgb(23, 97,  
181) }
```

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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