

Converting Colors

YIQ(46.7860, -70.7530, 43.2870)

Have a look what the booklet for
YIQ(46.7860, -70.7530, 43.2870)
contains.

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Color

**YIQ(46.7860, -70.7530,
43.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	0626C7
RGB	6, 38, 199
RGB Percent	2%, 15%, 78%
CMY	0.9763, 0.8509, 0.2200
CMYK	0.97, 0.81, 0.00, 0.22
HSL	230°, 94%, 40%
HSV	230°, 97%, 78%
XYZ	11.0655, 5.5446, 54.4569
YIQ	46.7860, -70.7530, 43.2870

Conversions

Conversions Part 2

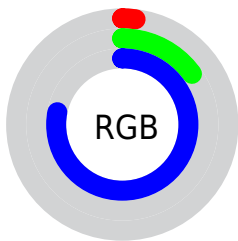
Format	Color
R_{YB}	6, 33, 199
Decimal	403143
CIE _{Lab}	28.23, 53.48, -82.49
CIE _{LCh}	28, 98.313, 302.958
Yxy	5.5446, 0.1557, 0.0780
Android (android.graphics.Color)	4278593223 (0xFF0626C7)
YUV	46.7860, 75.0415, -35.7693
Hunter-Lab	23.5470, 42.6762, -120.6367

Details

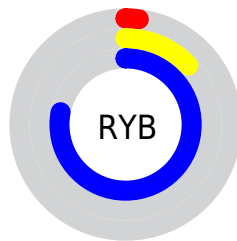
The YIQ color **46.7860, -70.7530, 43.2870** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **158.2140, 70.7530, -43.2870**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **110.6480, -43.5210, 56.3750**, and **16.3020, -45.9030, 44.4730** is the 20% darker color. If you saturate the color by 10%, you get **42.0570, -72.9540, 44.6300**, and if you desaturate by 10%, it is **62.7450, -63.5080, 38.6360**.

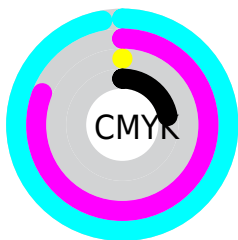
Distribution



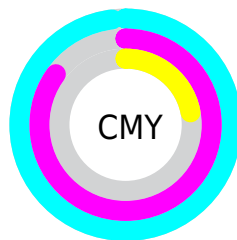
- Red (2%)
- Green (15%)
- Blue (78%)



- Red (2%)
- Yellow (13%)
- Blue (78%)



- Cyan (97%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (85%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.7860, -70.7530, 43.2870 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 46.7860, -70.7530, 43.2870 by changing the saturation by 10% instead.

■ 46.7860, -70.7530,
43.2870

■ 46.7860, -70.7530,
43.2870

■ 255.0000, -0.0000,
-0.0000

■ 27.7120, -58.7410,
45.8590

■ 110.6480,
-43.5210, 56.3750

■ 16.3020, -45.9030,
44.4730

■ 135.4780,
-31.5990, 49.5610

■ 13.3380, -37.5570,
36.3870

■ 160.3080,
-19.6770, 42.7470

■ 16.8310, -32.2360,
22.5480

■ 184.8390, -8.3510,
35.7210

■ 11.6330, -23.1110,
16.8650

■ 210.5440, 2.4250,
27.6490

■ 6.6630, -14.6280,
11.8040

■ 234.4550, 9.6250,

■ 2.9810, -7.0160,

18.3050

6.0080

251.4780, 1.6500,
3.1380

0.0000, 0.0000,
0.0000

46.7860, -70.7530,
43.2870

46.7860, -70.7530,
43.2870

42.0570, -72.9540,
44.6300

62.7450, -63.5080,
38.6360

78.1170, -55.9880,
34.5080

94.0760, -48.7430,
29.8570

109.4480,
-41.2230, 25.7290

125.1080,
-34.5740, 20.8660

■ 141.0670,
-27.3290, 16.2150

■ 156.4390,
-19.8090, 12.0870

■ 172.3980,
-12.5640, 7.4360

■ 187.7700, -5.0440,
3.3080

Harmonies

Analogous

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



72.0230, -93.9500, 28.6580



46.7860, -70.7530, 43.2870



61.7780, 47.4860, 75.5660

Triad

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



46.7860, -70.7530, 43.2870



52.6810, 73.2180, 16.6900



61.1520, -48.1830, -24.3670

Complementary

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



46.7860, -70.7530, 43.2870



158.2140, 70.7530, -43.2870

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.



51.0690, -23.9250, -45.5010



46.7860, -70.7530, 43.2870



62.0530, 26.8710, -18.9290

Square

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



46.7860, -70.7530, 43.2870



51.7270, 103.1080, 36.6760



48.1340, -22.5500, -42.8860



71.1040, -73.4500, -1.4660

Rectangle

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



46.7860, -70.7530, 43.2870



63.8520, 79.0320, 65.5280



48.1340, -22.5500, -42.8860



57.4870, -39.2410, -32.2410

Sweetspot

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



46.7860, -70.7530, 43.2870



196.4800, -27.0540, 16.7380



137.6450, -104.7560, -50.8680



92.2390, -16.3700, 10.3340



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.



46.7860, -70.7530, 43.2870



53.7240, -93.4050, 57.3390



47.1380, -23.8090, 73.5910



91.6130, -3.1640, 2.2760



34.4310, -59.7480, 36.5720



7.6260, -13.2060, 8.0580

Inverse Universe

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



67.3550, 104.7560, 50.8680



81.0330, 138.4980, 67.1220



157.8620, 23.8090, -73.5910



92.8050, 5.0430, 2.2190



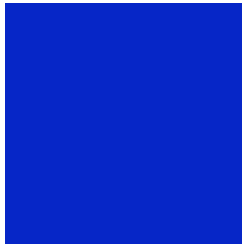
51.8150, 88.4810, 42.9530



11.4480, 19.5300, 9.4980

Previews

White Background



This preview shows how the YIQ color 46.7860, -70.7530, 43.2870 looks on a white background.

Color Contrast Check

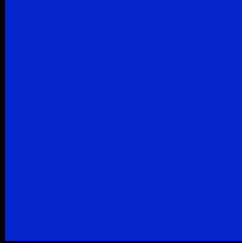
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7860, -70.7530, 43.2870 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 46.7860, -70.7530, 43.2870

Background



This preview shows how black text looks on a background with the YIQ color 46.7860, -70.7530, 43.2870.



This preview shows how white text looks on a background with the YIQ color 46.7860, -70.7530,

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

46.7860, -70.7530, 43.2870

Protanopia

53.5450, -61.2100, 7.9900

Deuteranopia

53.6130, -55.8900, -0.3220



Tritanopia

52.3300, -45.3880, -14.4440

Trichromacy



Original Color

46.7860, -70.7530, 43.2870

Protanomaly

50.8950, -64.6510, 20.7970

Deuteranomaly

51.2880, -61.6240, 15.4960

Tritanomaly

50.3130, -54.7450, 6.4630

Monochromacy



Original Color

46.7860, -70.7530, 43.2870

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0240, -25.7700, 15.4940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.7860, -70.7530, 43.2870 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(6, 38, 199)` looks like.

```
.text, #text, p{  
    color:rgb(6, 38, 199)  
}
```

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(6, 38, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 38, 199) }
```

Border

The CSS property to change the border of an element to YIQ 46.7860, -70.7530, 43.2870 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(6, 38, 199) }
```


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

```
.border{ border-color:rgb(6, 38, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 38, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 38, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 38, 199);  
box-shadow:4px 4px 4px 4px rgb(6, 38, 199)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.7860, -70.7530, 43.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 38, 199) }
```

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

```
.background{ background-color: rgb(6, 38,  
199) }
```

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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