

Converting Colors

YIQ(20.7760, -38.4300, 46.7060)

Have a look what the booklet for
YIQ(20.7760, -38.4300, 46.7060)
contains.

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Color

**YIQ(20.7760, -38.4300,
46.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	0D018F
RGB	13, 1, 143
RGB Percent	5%, 0%, 56%
CMY	0.9488, 0.9961, 0.4395
CMYK	0.91, 0.99, 0.00, 0.44
HSL	245°, 99%, 28%
HSV	245°, 99%, 56%
XYZ	5.1301, 2.0885, 26.0928
YIQ	20.7760, -38.4300, 46.7060

Conversions

Conversions Part 2

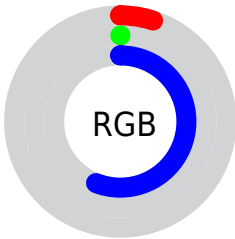
Format	Color
R_{YB}	13, 1, 143
Decimal	852367
CIE _{Lab}	15.95, 51.26, -69.15
CIE _{LCh}	16, 86.079, 306.551
Yxy	2.0885, 0.1540, 0.0627
Android (android.graphics.Color)	4279042447 (0xFF0D018F)
YUV	20.7760, 60.2564, -6.8196
Hunter-Lab	14.4518, 38.0731, -96.9321

Details

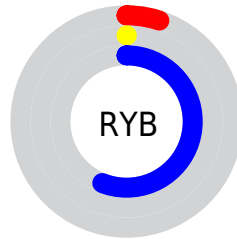
The YIQ color **20.7760, -38.4300, 46.7060** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **123.2240, 38.4300, -46.7060**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **82.0660, -24.4470, 52.1050**, and **10.3740, -29.2110, 28.3010** is the 20% darker color. If you saturate the color by 10%, you get **19.8900, -38.7510, 47.0170**, and if you desaturate by 10%, it is **32.8810, -34.5320, 42.1400**.

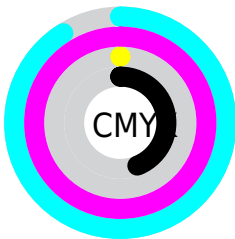
Distribution



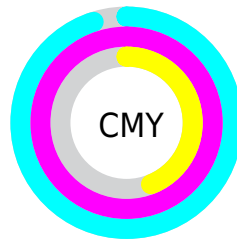
- Red (5%)
- Green (0%)
- Blue (56%)



- Red (5%)
- Yellow (0%)
- Blue (56%)



- Cyan (91%)
- Magenta (99%)
- Yellow (0%)
- Black (44%)



- Cyan (95%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.7760, -38.4300, 46.7060 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 20.7760, -38.4300, 46.7060 by changing the saturation by 10% instead.

■ 20.7760, -38.4300,
46.7060

■ 20.7760, -38.4300,
46.7060

■ 247.3690, 3.5750,
6.7990

■ 13.2240, -37.2360,
36.0760

■ 81.4790, -24.1720,
52.6280

■ 10.3740, -29.2110,
28.3010

■ 108.4300,
-22.4760, 54.9320

■ 11.6330, -23.1110,
16.8650

■ 135.5550,
-21.3300, 56.1900

■ 6.6630, -14.6280,
11.8040

■ 159.7870,
-10.6000, 48.9520

■ 2.9810, -7.0160,
6.0080

■ 184.6060, -0.1450,
41.1910

■ 0.0000, 0.0000,
0.0000

■ 209.4250, 10.3100,

33.4300

■ 230.3460, 11.5500,
21.9660

■ 20.7760, -38.4300,
46.7060

■ 20.7760, -38.4300,
46.7060

■ 19.8900, -38.7510,
47.0170

■ 32.8810, -34.5320,
42.1400

■ 45.5730, -30.9090,
37.0510

■ 57.6780, -27.0110,
32.4850

■ 69.7830, -23.1130,
27.9190

■ 81.8880, -19.2150,
23.3530

■ 94.8790, -14.9960,
18.4760

■ 106.9840,
-11.0980, 13.9100

■ 119.0890, -7.2000,
9.3440

■ 131.7810, -3.5770,
4.2550

Harmonies

Analogous

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



48.0290, -67.7240, 26.9320



20.7760, -38.4300, 46.7060



44.6450, 39.6500, 52.3700

Triad

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



20.7760, -38.4300, 46.7060



29.2360, 49.6060, 15.0940



39.5010, -32.6880, -13.3280

Complementary

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



20.7760, -38.4300, 46.7060



123.2240, 38.4300, -46.7060

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.



32.8720, -15.4000, -29.2880



20.7760, -38.4300, 46.7060



36.6030, 10.8230, -14.4330

Square

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



20.7760, -38.4300, 46.7060



35.5810, 70.9240, 25.2280



31.1110, -14.5750, -27.7190



48.8030, -53.3690, 3.5510

Rectangle

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



20.7760, -38.4300, 46.7060



44.8690, 62.0260, 43.3220



31.1110, -14.5750, -27.7190



36.4060, -25.3510, -19.6470

Sweetspot

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



20.7760, -38.4300, 46.7060



137.8790, -14.9960, 18.4760



93.4980, -81.3320, -23.8280



64.7730, -9.1260, 11.2100



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



20.7760, -38.4300, 46.7060



25.9880, -50.1700, 61.2380



42.0050, 3.8860, 61.7580



65.0970, -1.6510, 2.3890



18.6790, -36.7790, 44.3170



1.2110, -1.9720, 2.7000

Inverse Universe

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



58.2780, 42.9020, 70.5340



74.9940, 56.2860, 92.3020



101.9950, -3.8860, -61.7580



66.8910, 1.9250, 3.6610



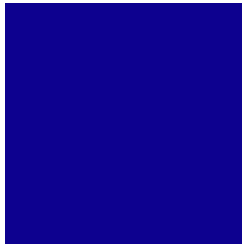
54.5010, 40.6560, 67.1840



3.1900, 2.5210, 3.8730

Previews

White Background



This preview shows how the YIQ color 20.7760, -38.4300, 46.7060 looks on a white background.

Color Contrast Check

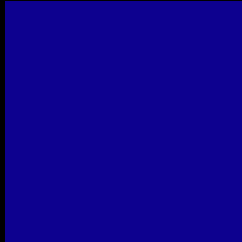
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7760, -38.4300, 46.7060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

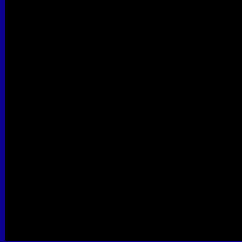
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.7760, -38.4300, 46.7060

Background



This preview shows how black text looks on a background with the YIQ color 20.7760, -38.4300, 46.7060.



This preview shows how white text looks on a background with the YIQ color 20.7760, -38.4300,

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

20.7760, -38.4300, 46.7060

Protanopia

34.6860, -39.7980, 5.4020

Deuteranopia

34.9650, -36.4500, -0.2100



Tritanopia

33.9900, -29.5710, -9.2430

Trichromacy



Original Color

20.7760, -38.4300, 46.7060

Protanomaly

29.6560, -39.1130, 20.5270

Deuteranomaly

29.9180, -37.0950, 16.9930

Tritanomaly

29.2680, -32.5090, 10.9710

Monochromacy



Original Color

20.7760, -38.4300, 46.7060

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

21.0100, -13.9870, 16.7090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.7760, -38.4300, 46.7060 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(13, 1, 143)` looks like.

```
.text, #text, p{  
    color:rgb(13, 1, 143)  
}
```

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(13, 1, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 1, 143) }
```

Border

The CSS property to change the border of an element to YIQ 20.7760, -38.4300, 46.7060 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(13, 1, 143) }
```


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

```
.border{ border-color:rgb(13, 1, 143) }
```

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

Here you see how a box with a 4 pixel rgb(13, 1, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 1, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 1, 143);  
box-shadow:4px 4px 4px 4px rgb(13, 1, 143)  
}
```

Background

The CSS property to change the background color of an element to YIQ 20.7760, -38.4300, 46.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 1, 143) }
```

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

```
.background{ background-color: rgb(13, 1,  
143) }
```

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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