

Converting Colors

YIQ(67.6740, -83.0820, 18.9180)

Have a look what the booklet for
YIQ(67.6740, -83.0820, 18.9180)
contains.

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Color

**YIQ(67.6740, -83.0820,
18.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	004EC0
RGB	0, 78, 192
RGB Percent	0%, 31%, 75%
CMY	0.9998, 0.6940, 0.2475
CMYK	1.00, 0.59, 0.00, 0.25
HSL	216°, 100%, 38%
HSV	216°, 100%, 75%
XYZ	12.2294, 9.2545, 50.9490
YIQ	67.6740, -83.0820, 18.9180

Conversions

Conversions Part 2

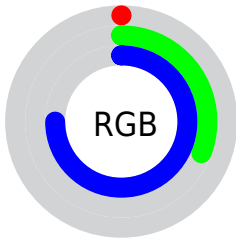
Format	Color
RYB	0, 55, 192
Decimal	20160
CIELab	36.47, 26.26, -64.81
CIELCh	36, 69.923, 292.057
Yxy	9.2545, 0.1688, 0.1278
Android (android.graphics.Color)	4278210240 (0xFF004EC0)
YUV	67.6740, 61.2927, -59.3501
Hunter-Lab	30.4213, 18.5199, -78.0030

Details

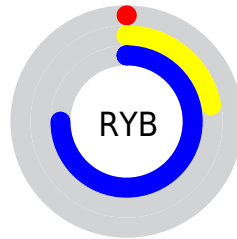
The YIQ color **67.6740, -83.0820, 18.9180** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **124.3260, 83.0820, -18.9180**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.3510, -56.7670, 32.1050**, and **36.7500, -53.8770, 23.7790** is the 20% darker color. If you saturate the color by 10%, you get **67.6740, -83.0820, 18.9180**, and if you desaturate by 10%, it is **79.8120, -74.7830, 17.1930**.

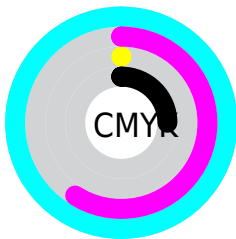
Distribution



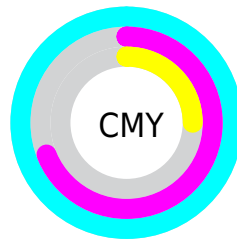
- Red (0%)
- Green (31%)
- Blue (75%)



- Red (0%)
- Yellow (22%)
- Blue (75%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (69%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.6740, -83.0820, 18.9180 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 67.6740, -83.0820, 18.9180 by changing the saturation by 10% instead.

■ 67.6740, -83.0820,
18.9180

■ 67.6740, -83.0820,
18.9180

■ 255.0000, -0.0000,
-0.0000

■ 51.5680, -68.0440,
21.7160

■ 131.3510,
-56.7670, 32.1050

■ 36.7500, -53.8770,
23.7790

■ 156.5660,
-47.3670, 26.9450

■ 23.2200, -40.5810,
25.1070

■ 181.6840,
-36.3160, 19.3960

■ 11.5650, -28.4310,
25.1770

■ 206.5030,
-25.8610, 11.6350

■ 10.4760, -21.2310,
15.8330

■ 232.2080,
-15.0850, 3.5630

■ 6.2070, -13.3440,
10.5600

■ 253.5050, -2.9800,

■ 2.4110, -5.4110,

-1.0600

4.4530

■ 0.0000, 0.0000,
0.0000

■ 67.6740, -83.0820,
18.9180

■ 79.8120, -74.7830,
17.1930

■ 92.5370, -66.7590,
14.9450

■ 104.9740,
-57.8640, 13.4320

■ 117.6990,
-49.8400, 11.1840

■ 129.8370,
-41.5410, 9.4590

■ 141.9750,
-33.2420, 7.7340

■ 154.7000,
-25.2180, 5.4860

■ 167.1370,
-16.3230, 3.9730

■ 179.8620, -8.2990,
1.7250

Harmonies

Analogous

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



80.2120, -90.8290, 10.6350



67.6740, -83.0820, 18.9180



83.1020, 19.4300, 55.3820

Triad

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



67.6740, -83.0820, 18.9180



75.7060, 80.0970, 7.6570



70.5610, -51.2530, -34.8130

Complementary

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



67.6740, -83.0820, 18.9180



124.3260, 83.0820, -18.9180

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.



61.0480, -28.6000, -54.3920



67.6740, -83.0820, 18.9180



81.0680, 48.8780, -15.7780

Square

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



67.6740, -83.0820, 18.9180



58.6940, 90.6800, 52.6640



75.4990, 13.2110, -35.6930



78.4610, -70.7420, -17.5100

Rectangle

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



67.6740, -83.0820, 18.9180



63.5420, 59.7740, 73.1340



75.4990, 13.2110, -35.6930



67.6940, -44.5580, -40.5100

Sweetspot

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



67.6740, -83.0820, 18.9180



201.1600, -32.3250, 7.6350



125.4720, -88.7520, -65.5840



95.6960, -19.3950, 4.5810



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



67.6740, -83.0820, 18.9180



88.3740, -108.3000, 24.4040



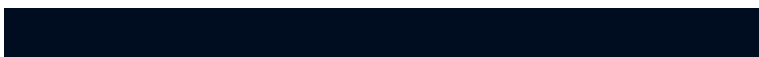
26.6720, -52.0960, 63.1040



90.4880, -4.3100, 1.0180



56.5090, -69.5560, 16.0760



11.3930, -14.1680, 3.4640

Inverse Universe

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



66.3000, 89.3940, 64.9620



86.3780, 116.2580, 84.7220



165.3280, 52.0960, -63.1040



90.4460, 4.6760, 3.3640



55.5490, 75.0910, 54.3470



11.3490, 15.4950, 11.0390

Previews

White Background



This preview shows how the YIQ color 67.6740, -83.0820, 18.9180 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 67.6740, -83.0820, 18.9180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

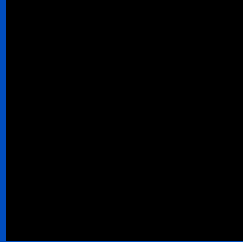
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.6740, -83.0820, 18.9180

Background



This preview shows how black text looks on a background with the YIQ color 67.6740, -83.0820, 18.9180.



This preview shows how white text looks on a background with the YIQ color 67.6740, -83.0820,

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

67.6740, -83.0820, 18.9180

Protanopia

68.6710, -79.0000, 11.0160

Deuteranopia

68.7560, -72.3500, 0.6260



Tritanopia

67.2790, -58.5460, -18.2740

Trichromacy



Original Color

67.6740, -83.0820, 18.9180

Protanomaly

68.1810, -80.3760, 13.9280

Deuteranomaly

68.1180, -76.0650, 7.3830

Tritanomaly

67.5190, -67.4890, -4.8730

Monochromacy



Original Color

67.6740, -83.0820, 18.9180

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.0030, -30.4450, 6.6030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.6740, -83.0820, 18.9180 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(0, 78, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 192)  
}
```

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(0, 78, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 192) }
```

Border

The CSS property to change the border of an element to YIQ 67.6740, -83.0820, 18.9180 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(0, 78, 192) }
```


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

```
.border{ border-color:rgb(0, 78, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 192)  
}
```

Background

The CSS property to change the background color of an element to YIQ 67.6740, -83.0820, 18.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 192) }
```

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

```
.background{ background-color: rgb(0, 78,  
192) }
```

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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