

# Converting Colors

YIQ(71.1620, -87.3920, 19.9360)

Have a look what the booklet for  
YIQ(71.1620, -87.3920, 19.9360)  
contains.

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# Color

**YIQ(71.1620, -87.3920,  
19.9360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0052CA
RGB	0, 82, 202
RGB Percent	0%, 32%, 79%
CMY	0.9998, 0.6783, 0.2083
CMYK	1.00, 0.59, 0.00, 0.21
HSL	216°, 100%, 40%
HSV	216°, 100%, 79%
XYZ	13.6673, 10.2988, 57.0750
YIQ	71.1620, -87.3920, 19.9360

# Conversions

## Conversions Part 2

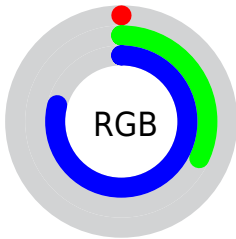
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 58, 202
Decimal	21194
CIE Lab	38.37, 27.58, -67.51
CIE LCh	38, 72.929, 292.222
Yxy	10.2988, 0.1686, 0.1271
Android (android.graphics.Color)	4278211274 (0xFF0052CA)
YUV	71.1620, 64.5031, -62.4091
Hunter-Lab	32.0917, 19.8595, -82.9829

# Details

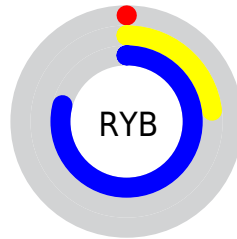
The YIQ color **71.1620, -87.3920, 19.9360** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **130.8380, 87.3920, -19.9360**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.5680, -58.8760, 31.7800**, and **39.6510, -57.9120, 25.3200** is the 20% darker color. If you saturate the color by 10%, you get **71.1620, -87.3920, 19.9360**, and if you desaturate by 10%, it is **84.1860, -78.7720, 17.9000**.

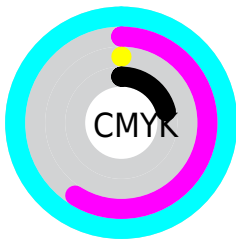
# Distribution



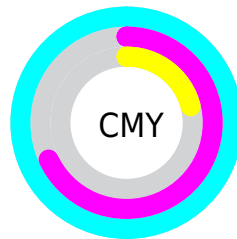
- Red (0%)
- Green (32%)
- Blue (79%)



- Red (0%)
- Yellow (23%)
- Blue (79%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (68%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.1620, -87.3920, 19.9360 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 71.1620, -87.3920, 19.9360 by changing the saturation by 10% instead.



■ 71.1620, -87.3920,  
19.9360

■ 71.1620, -87.3920,  
19.9360

■ 255.0000, -0.0000,  
-0.0000

■ 55.0560, -72.3540,  
22.7340

■ 135.5680,  
-58.8760, 31.7800

■ 39.6510, -57.9120,  
25.3200

■ 160.3980,  
-46.9540, 24.9660

■ 26.0070, -44.2950,  
26.3370

■ 184.9290,  
-35.6280, 17.9400

■ 10.8300, -30.4950,  
29.5450

■ 210.6340,  
-24.8520, 9.8680

■ 12.6760, -24.6700,  
17.5860

■ 236.3390,  
-14.0760, 1.7960

■ 7.5920, -15.8660,  
12.2140

■ 3.4370, -8.3000,

7.2520

■ 0.0000, 0.0000,  
0.0000

■ 71.1620, -87.3920,  
19.9360

■ 84.1860, -78.7720,  
17.9000

■ 97.2100, -70.1520,  
15.8640

■ 110.5330,  
-60.9360, 14.0400

■ 123.5570,  
-52.3160, 12.0040

■ 136.5810,  
-43.6960, 9.9680

■ 149.6050,  
-35.0760, 7.9320

■ 162.6290,  
-26.4560, 5.8960

■ 175.9520,  
-17.2400, 4.0720

■ 188.9760, -8.6200,  
2.0360

# Harmonies

## Analogous

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



84.4010, -95.7350, 11.4410



71.1620, -87.3920, 19.9360



87.2810, 20.4840, 58.3080

# Triad

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



71.1620, -87.3920, 19.9360



79.2720, 84.3150, 8.3070



74.5390, -54.1870, -36.7070

# Complementary

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



71.1620, -87.3920, 19.9360



130.8380, 87.3920, -19.9360

# 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.



63.9830, -29.9750, -57.0070



71.1620, -87.3920, 19.9360



85.7970, 51.0790, -17.1210

# Square

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



71.1620, -87.3920, 19.9360



61.9120, 95.9980, 55.4060



79.3310, 13.6240, -37.6720



82.1940, -74.3640, -17.9480



# Rectangle

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



71.1620, -87.3920, 19.9360



66.9170, 63.2120, 76.9080



79.3310, 13.6240, -37.6720



71.5580, -47.1710, -42.7150

# Sweetspot

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



71.1620, -87.3920, 19.9360



205.8610, -32.9210, 7.4230



132.0260, -93.4280, -68.9480



97.8100, -19.7160, 4.8920



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.



71.1620, -87.3920, 19.9360



90.1180, -110.4550, 24.9130



28.1110, -54.7100, 66.4260



95.4880, -4.3100, 1.0180



58.2530, -71.7110, 16.5850



13.7240, -16.5980, 3.4500



# Inverse Universe

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



69.7460, 94.0700, 68.3260



88.1010, 118.5960, 86.4040



173.8890, 54.7100, -66.4260



95.4460, 4.6760, 3.3640



57.2720, 77.4290, 56.0290



13.1860, 17.5120, 13.0320



# Previews

## White Background



This preview shows how the YIQ color 71.1620, -87.3920, 19.9360 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 71.1620, -87.3920, 19.9360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

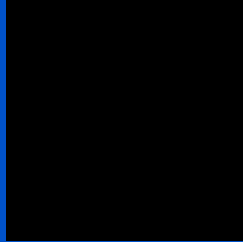
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 71.1620, -87.3920, 19.9360

## Background



This preview shows how black text looks on a background with the YIQ color 71.1620, -87.3920, 19.9360.



This preview shows how white text looks on a background with the YIQ color 71.1620, -87.3920,



# 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

71.1620, -87.3920, 19.9360

### Protanopia

72.0450, -82.9890, 11.7230

### Deuteranopia

72.6030, -76.2930, 0.4990



## Tritanopia

70.7840, -61.5260, -19.3340

# Trichromacy



## Original Color

71.1620, -87.3920, 19.9360

## Protanomaly

71.6690, -84.6860, 14.9460

## Deuteranomaly

72.0790, -80.3290, 7.5670

## Tritanomaly

70.6650, -70.8360, -4.7880

# Monochromacy



## Original Color

71.1620, -87.3920, 19.9360

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.0460, -32.0040, 7.3240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.1620, -87.3920, 19.9360 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, 82, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 202)  
}
```

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, 82, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 71.1620, -87.3920, 19.9360 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, 82, 202) }
```



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

```
.border{ border-color:rgb(0, 82, 202) }
```

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

Here you see how a box with a 4 pixel rgb(0, 82, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 82, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 82, 202)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 71.1620, -87.3920, 19.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 202) }
```

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

```
.background{ background-color: rgb(0, 82,  
202) }
```

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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