

Converting Colors

YIQ(30.8990, -77.3600, 69.4240)

Have a look what the booklet for
YIQ(30.8990, -77.3600, 69.4240)
contains.

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Color

**YIQ(30.8990, -77.3600,
69.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	0007EB
RGB	0, 7, 235
RGB Percent	0%, 3%, 92%
CMY	0.9996, 0.9726, 0.0789
CMYK	1.00, 0.97, 0.00, 0.08
HSL	238°, 100%, 46%
HSV	238°, 100%, 92%
XYZ	15.0540, 6.1433, 78.8962
YIQ	30.8990, -77.3600, 69.4240

Conversions

Conversions Part 2

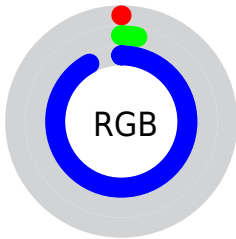
Format	Color
RYB	0, 7, 235
Decimal	2027
CIELab	29.77, 73.24, -100.72
CIELCh	30, 124.532, 306.022
Yxy	6.1433, 0.1504, 0.0614
Android (android.graphics.Color)	4278192107 (0xFF0007EB)
YUV	30.8990, 100.6218, -27.0984
Hunter-Lab	24.7856, 65.0403, -171.3787

Details

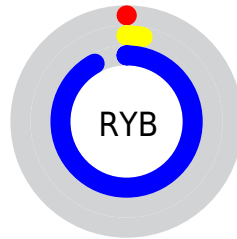
The YIQ color **30.8990, -77.3600, 69.4240** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **204.1010, 77.3600, -69.4240**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **105.1320, -32.8400, 66.5520**, and **20.1780, -56.8170, 55.0470** is the 20% darker color. If you saturate the color by 10%, you get **30.8990, -77.3600, 69.4240**, and if you desaturate by 10%, it is **51.5760, -69.3810, 62.4830**.

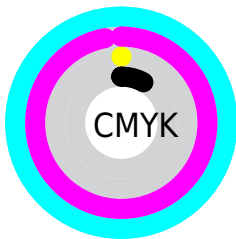
Distribution



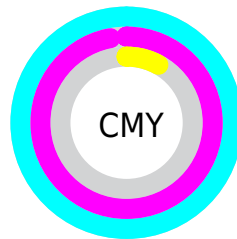
- Red (0%)
- Green (3%)
- Blue (92%)



- Red (0%)
- Yellow (3%)
- Blue (92%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (97%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 30.8990, -77.3600, 69.4240 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 30.8990, -77.3600, 69.4240 by changing the saturation by 10% instead.

■ 30.8990, -77.3600,
69.4240

■ 30.8990, -77.3600,
69.4240

■ 255.0000, -0.0000,
-0.0000

■ 23.4840, -66.1260,
64.0660

■ 105.1320,
-32.8400, 66.5520

■ 20.1780, -56.8170,
55.0470

■ 131.4460,
-19.4050, 59.8510

■ 16.9860, -47.8290,
46.3390

■ 157.4610, -6.5660,
52.9380

■ 15.6690, -39.9870,
36.3730

■ 182.8780, 5.0810,
45.6010

■ 19.7490, -34.9410,
22.0110

■ 209.1810, 17.0490,
37.9530


■ 12.7900, -24.9910,
17.8970


■ 227.9980, 12.6500,

■ 7.8200, -16.5080,


24.0580


12.8360


 245.0210, 4.6750,
8.8910


 3.5510, -8.6210,
7.5630


 0.0000, 0.0000,
0.0000

 30.8990, -77.3600,
69.4240

 51.5760, -69.3810,
62.4830

 71.9540, -61.9980,
55.3300

 92.0440, -53.7440,
48.9120

 112.4220,
-46.3610, 41.7590

■ 133.0990,
-38.3820, 34.8180

■ 153.4770,
-30.9990, 27.6650

■ 174.1540,
-23.0200, 20.7240

■ 193.9450,
-15.3620, 14.0940

■ 214.3230, -7.9790,
6.9410

Harmonies

Analogous

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



79.5520, -105.5050, 34.3270



30.8990, -77.3600, 69.4240



73.2410, 62.6600, 86.9160

Triad

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



30.8990, -77.3600, 69.4240



48.9260, 83.0740, 25.2980



67.0850, -55.2440, -23.0520

Complementary

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



30.8990, -77.3600, 69.4240



204.1010, 77.3600, -69.4240

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.



55.1780, -25.8500, -49.1620



30.8990, -77.3600, 69.4240



64.0690, 20.7740, -24.0740

Square

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



30.8990, -77.3600, 69.4240



58.9030, 117.4120, 41.7640



52.8300, -24.7500, -47.0700



80.0180, -87.5270, 5.8570

Rectangle

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



30.8990, -77.3600, 69.4240



74.3170, 99.8920, 72.9480



52.8300, -24.7500, -47.0700



62.5080, -43.7340, -33.4140

Sweetspot

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



30.8990, -77.3600, 69.4240



188.8380, -24.9460, 22.5900



163.8230, -137.4920, -52.3080



87.8310, -15.0410, 13.7830



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.



30.8990, -77.3600, 69.4240



33.1790, -83.7800, 75.6440



59.6800, -9.8750, 96.4050



107.2540, -3.5310, 3.4210



23.5690, -59.4760, 53.6760



7.3300, -17.8840, 15.7480

Inverse Universe

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



71.0630, 137.8130, 51.9970



77.0430, 149.7330, 56.2370



175.3200, 9.8750, -96.4050



109.2890, 6.5560, 2.3320



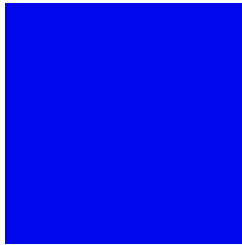
54.6890, 106.2710, 39.9270



16.3740, 31.5420, 12.0700

Previews

White Background



This preview shows how the YIQ color 30.8990, -77.3600, 69.4240 looks on a white background.

Color Contrast Check

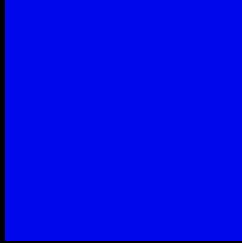
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8990, -77.3600, 69.4240 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 30.8990, -77.3600, 69.4240

Background



This preview shows how black text looks on a background with the YIQ color 30.8990, -77.3600, 69.4240.



This preview shows how white text looks on a background with the YIQ color 30.8990, -77.3600,

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

30.8990, -77.3600, 69.4240

Protanopia

56.9190, -65.1990, 8.6970

Deuteranopia

56.7590, -59.2370, -0.2370



Tritanopia

55.8350, -48.3680, -15.5040

Trichromacy



Original Color

30.8990, -77.3600, 69.4240

Protanomaly

47.1800, -69.4670, 30.9890

Deuteranomaly

47.3450, -65.7980, 25.0660

Tritanomaly

46.8430, -58.8730, 15.1990

Monochromacy



Original Color

30.8990, -77.3600, 69.4240

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

30.8640, -27.8350, 25.3890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 30.8990, -77.3600, 69.4240 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, 7, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 7, 235)  
}
```

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, 7, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 7, 235) }
```

Border

The CSS property to change the border of an element to YIQ 30.8990, -77.3600, 69.4240 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, 7, 235) }
```


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

```
.border{ border-color:rgb(0, 7, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 7, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 7, 235); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 7, 235); box-shadow:4px  
4px 4px 4px rgb(0, 7, 235) }
```

Background

The CSS property to change the background color of an element to YIQ 30.8990, -77.3600, 69.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 7, 235) }
```

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

```
.background{ background-color: rgb(0, 7,  
235) }
```

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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