

Converting Colors

YIQ(67.7230, -66.4420, 36.7420)

Have a look what the booklet for
YIQ(67.7230, -66.4420, 36.7420)
contains.

YIQ(67.7230, -66.4420, 36.7420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YIQ(67.7230, -66.4420,
36.7420)**

Conversions

Conversions Part 1

Format	Color
Hex	1B3ECC
RGB	27, 62, 204
RGB Percent	11%, 24%, 80%
CMY	0.8940, 0.7568, 0.2004
CMYK	0.87, 0.70, 0.00, 0.20
HSL	228°, 77%, 45%
HSV	228°, 87%, 80%
XYZ	13.0631, 8.0350, 57.9292
YIQ	67.7230, -66.4420, 36.7420

Conversions

Conversions Part 2

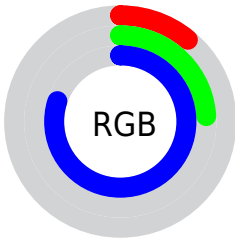
Format	Color
RYB	27, 56, 204
Decimal	1785548
CIELab	34.06, 42.27, -75.76
CIElCh	34, 86.754, 299.163
Yxy	8.0350, 0.1653, 0.1017
Android (android.graphics.Color)	4279975628 (0xFF1B3ECC)
YUV	67.7230, 67.1846, -35.7141
Hunter-Lab	28.3460, 32.6552, -101.3255

Details

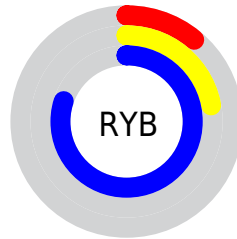
The YIQ color **67.7230, -66.4420, 36.7420** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **163.2770, 66.4420, -36.7420**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.9320, -47.7370, 44.6710**, and **28.6120, -53.0080, 35.5680** is the 20% darker color. If you saturate the color by 10%, you get **52.3510, -73.9620, 40.8700**, and if you desaturate by 10%, it is **83.0950, -58.9220, 32.6140**.

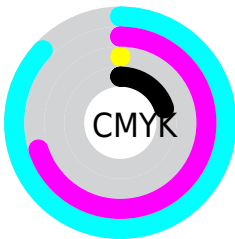
Distribution



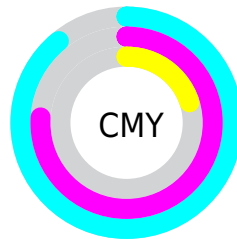
- Red (11%)
- Green (24%)
- Blue (80%)



- Red (11%)
- Yellow (22%)
- Blue (80%)



- Cyan (87%)
- Magenta (70%)
- Yellow (0%)
- Black (20%)



- Cyan (89%)
- Magenta (76%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.7230, -66.4420, 36.7420 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 67.7230, -66.4420, 36.7420 by changing the saturation by 10% instead.

■ 67.7230, -66.4420,
36.7420

■ 67.7230, -66.4420,
36.7420

■ 255.0000, -0.0000,
-0.0000

■ 43.5440, -67.4960,
33.8160

■ 125.9320,
-47.7370, 44.6710

■ 28.6120, -53.0080,
35.5680

■ 150.1750,
-35.5400, 38.3800

■ 14.4950, -39.4370,
37.4190

■ 175.2930,
-24.4890, 30.8310

■ 12.1180, -31.3660,
28.8100

■ 200.4110,
-13.4380, 23.2820

■ 12.7900, -24.9910,
17.8970

■ 226.1160, -2.6620,
15.2100

■ 7.7060, -16.1870,
12.5250

■ 249.1300, 2.7500,

■ 3.5510, -8.6210,

5.2300

7.5630

■ 0.0000, 0.0000,
0.0000

■ 67.7230, -66.4420,
36.7420

■ 67.7230, -66.4420,
36.7420

■ 52.3510, -73.9620,
40.8700

■ 83.0950, -58.9220,
32.6140

■ 46.7360, -76.4840,
42.5240

■ 99.3530, -51.0810,
28.1750

■ 114.7250,
-43.5610, 24.0470

■ 130.3960,
-35.4450, 20.1310

■ 146.3550,
-28.2000, 15.4800

■ 161.7270,
-20.6800, 11.3520

■ 177.9850,
-12.8390, 6.9130

■ 193.3570, -5.3190,
2.7850

■ 209.0280, 2.7970,
-1.1310

Harmonies

Analogous

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



79.3120, -96.5620, 20.9260



67.7230, -66.4420, 36.7420



63.6730, 43.5880, 80.1320

Triad

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



67.7230, -66.4420, 36.7420



68.6290, 78.9960, 11.0920



69.7120, -52.9960, -30.7560

Complementary

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



67.7230, -66.4420, 36.7420



163.2770, 66.4420, -36.7420

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.



59.2870, -27.7750, -52.8230



67.7230, -66.4420, 36.7420



75.6860, 38.1500, -19.5940

Square

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



67.7230, -66.4420, 36.7420



57.1820, 103.5650, 44.9170



59.9620, -16.3140, -45.7700



78.3930, -76.0620, -9.1980

Rectangle

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



67.7230, -66.4420, 36.7420



67.0290, 74.4000, 72.3840



59.9620, -16.3140, -45.7700



66.3890, -45.0170, -37.6970

Sweetspot

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



67.7230, -66.4420, 36.7420



204.1550, -24.7610, 13.7270



147.0870, -94.2570, -48.4090



97.2560, -15.0400, 8.2560



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.



67.7230, -66.4420, 36.7420



58.4200, -95.6050, 53.1550



63.0250, -25.2290, 66.2830



94.3140, -3.7600, 2.0640



38.2950, -62.3610, 34.3670



9.0280, -14.3980, 7.6340

Inverse Universe

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



83.9130, 94.2570, 48.4090



81.9450, 135.9300, 69.6100



167.9750, 25.2290, -66.2830



95.2180, 5.3180, 2.7420



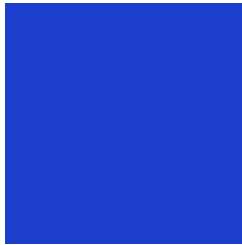
53.3960, 88.3430, 45.4550



12.2740, 20.0800, 10.5440

Previews

White Background



This preview shows how the YIQ color 67.7230, -66.4420, 36.7420 looks on a white background.

Color Contrast Check

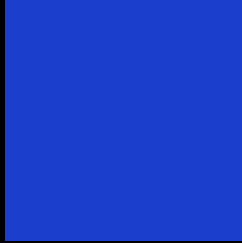
Large Text (above 18pt) WCAG AA ✓ Pass

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 67.7230, -66.4420, 36.7420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

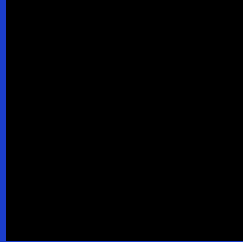
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.7230, -66.4420, 36.7420

Background



This preview shows how black text looks on a background with the YIQ color 67.7230, -66.4420, 36.7420.



This preview shows how white text looks on a background with the YIQ color 67.7230, -66.4420,

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

67.7230, -66.4420, 36.7420

Protanopia

63.6670, -73.1770, 10.1110

Deuteranopia

63.8660, -66.8480, 0.0320

Trichromacy



Original Color

67.7230, -66.4420, 36.7420

Protanomaly

65.4320, -70.6570, 19.5110

Deuteranomaly

65.4830, -66.6670, 13.2770

Monochromacy



Original Color

67.7230, -66.4420, 36.7420

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

67.9270, -24.1190, 13.1050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.7230, -66.4420, 36.7420 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(27, 62, 204)` looks like.

```
.text, #text, p{  
    color:rgb(27, 62, 204)  
}
```

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(27, 62, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 62, 204) }
```

Border

The CSS property to change the border of an element to YIQ 67.7230, -66.4420, 36.7420 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(27, 62, 204) }
```

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

```
.border{ border-color:rgb(27, 62, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 62, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 62, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 62, 204);  
box-shadow:4px 4px 4px 4px rgb(27, 62,  
204) }
```


Background

The CSS property to change the background color of an element to YIQ 67.7230, -66.4420, 36.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 62, 204) }
```

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

```
.background{ background-color: rgb(27, 62,  
204) }
```

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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