

Converting Colors

YIQ(68.8090, -95.9230, 36.8850)

Have a look what the booklet for
YIQ(68.8090, -95.9230, 36.8850)
contains.

YIQ(68.8090, -95.9230, 36.8850)	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(68.8090, -95.9230,
36.8850)**

Conversions

Conversions Part 1

Format	Color
Hex	0047EE
RGB	0, 71, 238
RGB Percent	0%, 28%, 93%
CMY	0.9997, 0.7215, 0.0672
CMYK	1.00, 0.70, 0.00, 0.07
HSL	222°, 100%, 47%
HSV	222°, 100%, 93%
XYZ	17.6687, 10.6757, 81.9181
YIQ	68.8090, -95.9230, 36.8850

Conversions

Conversions Part 2

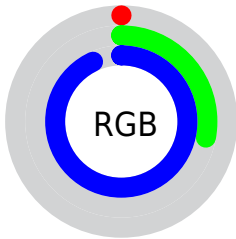
Format	Color
R _{YB}	0, 55, 238
Decimal	18414
CIE _{Lab}	39.03, 48.17, -87.02
CIE _{LCh}	39, 99.464, 298.963
Yxy	10.6757, 0.1602, 0.0968
Android (android.graphics.Color)	4278208494 (0xFF0047EE)
YUV	68.8090, 83.4112, -60.3455
Hunter-Lab	32.6737, 39.3467, -125.7776

Details

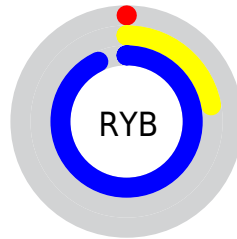
The YIQ color **68.8090, -95.9230, 36.8850** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **169.1910, 95.9230, -36.8850**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **132.9980, -48.1030, 40.2890**, and **37.0700, -65.8010, 41.6470** is the 20% darker color. If you saturate the color by 10%, you get **68.8090, -95.9230, 36.8850**, and if you desaturate by 10%, it is **85.9640, -86.2940, 33.0820**.

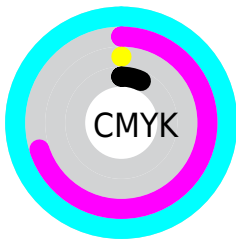
Distribution



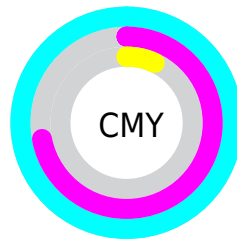
- Red (0%)
- Green (28%)
- Blue (93%)



- Red (0%)
- Yellow (22%)
- Blue (93%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (72%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.8090, -95.9230, 36.8850 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 68.8090, -95.9230, 36.8850 by changing the saturation by 10% instead.

■ 68.8090, -95.9230,
36.8850

■ 68.8090, -95.9230,
36.8850

■ 255.0000, -0.0000,
-0.0000

■ 52.5890, -80.5640,
39.3720

■ 132.9980,
-48.1030, 40.2890

■ 36.9560, -65.4800,
41.3360

■ 158.4260,
-34.9890, 33.8990

■ 23.8990, -52.1380,
41.8300

■ 183.2560,
-23.0670, 27.0850

■ 14.3640, -40.4460,
39.1860

■ 209.2600,
-11.6950, 19.2250

■ 20.0910, -35.9040,
22.9440

■ 235.2640, -0.3230,
11.3650

■ 13.8330, -26.5500,
18.6180

■ 8.1620, -17.4710,

13.7690

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 68.8090, -95.9230,
36.8850

■ 85.9640, -86.2940,
33.0820

■ 102.5320,
-76.3900, 29.8020

■ 119.3880,
-67.3570, 25.7870

■ 136.5430,
-57.7280, 21.9840

■ 153.1110,
-47.8240, 18.7040

■ 170.2660,
-38.1950, 14.9010

■ 187.4210,
-28.5660, 11.0980

■ 204.2770,
-19.5330, 7.0830

■ 220.8450, -9.6290,
3.8030

Harmonies

Analogous

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



91.8790, -111.2800, 23.3440



68.8090, -95.9230, 36.8850



73.6990, 49.8670, 92.9950

Triad

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



68.8090, -95.9230, 36.8850



76.9790, 92.7500, 15.1340



79.7710, -60.6520, -35.1800

Complementary

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



68.8090, -95.9230, 36.8850



169.1910, 95.9230, -36.8850

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.



68.0920, -31.9000, -60.6680



68.8090, -95.9230, 36.8850



86.6280, 44.0650, -22.1670

Square

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



68.8090, -95.9230, 36.8850



66.0810, 120.2070, 51.6870



65.7880, -24.9320, -54.7880



90.4070, -87.8450, -10.4130

Rectangle

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



68.8090, -95.9230, 36.8850



77.6380, 86.2270, 83.8190



65.7880, -24.9320, -54.7880



75.8780, -51.0680, -43.6760

Sweetspot

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



68.8090, -95.9230, 36.8850



200.5780, -30.4460, 12.1300



158.7440, -119.0570, -72.5370



94.8750, -18.3410, 7.5070



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.



68.8090, -95.9230, 36.8850



73.6820, -102.7550, 39.5570



41.4840, -47.7900, 84.1940



111.1290, -4.6770, 2.1630



53.2610, -74.1890, 28.4590



16.3630, -22.6510, 8.5250

Inverse Universe

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



79.2560, 119.0570, 72.5370



84.9090, 127.5840, 77.6960



196.5160, 47.7900, -84.1940



111.9300, 6.1890, 3.4770



61.2860, 92.0090, 56.1130



18.6820, 27.9190, 17.1590

Previews

White Background



This preview shows how the YIQ color 68.8090, -95.9230, 36.8850 looks on a white background.

Color Contrast Check

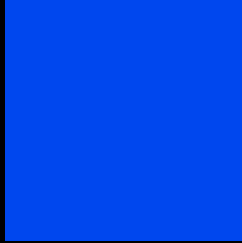
Large Text (above 18pt) WCAG AA ✓ Pass

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 68.8090, -95.9230, 36.8850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

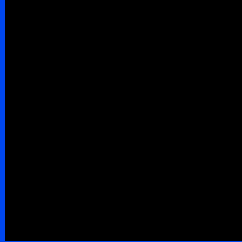
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.8090, -95.9230, 36.8850

Background



This preview shows how black text looks on a background with the YIQ color 68.8090, -95.9230, 36.8850.



This preview shows how white text looks on a background with the YIQ color 68.8090, -95.9230,

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

68.8090, -95.9230, 36.8850

Protanopia

72.8600, -83.9060, 11.8220

Tritanopia

72.0720, -62.3970, -20.0690

Trichromacy



Original Color

68.8090, -95.9230, 36.8850

Protanomaly

71.5040, -88.3550, 20.8690

Tritanomaly

71.0870, -74.7800, 0.6120

Monochromacy



Original Color

68.8090, -95.9230, 36.8850

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.0660, -34.7560, 13.1480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.8090, -95.9230, 36.8850 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, 71, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 238)  
}
```

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, 71, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 238) }
```

Border

The CSS property to change the border of an element to YIQ 68.8090, -95.9230, 36.8850 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, 71, 238) }
```

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

```
.border{ border-color:rgb(0, 71, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 71, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 71, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 71, 238)  
}
```


Background

The CSS property to change the background color of an element to YIQ 68.8090, -95.9230, 36.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 238) }
```

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

```
.background{ background-color: rgb(0, 71,  
238) }
```

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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