

# Converting Colors

YIQ(71.5000, 102.0090, 29.0570)

Have a look what the booklet for  
YIQ(71.5000, 102.0090, 29.0570)  
contains.

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# Color

**YIQ(71.5000, 102.0090,  
29.0570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB1908
RGB	187, 25, 8
RGB Percent	73%, 10%, 3%
CMY	0.2663, 0.9022, 0.9682
CMYK	0.00, 0.87, 0.96, 0.27
HSL	6°, 92%, 38%
HSV	6°, 96%, 73%
XYZ	20.9075, 11.2870, 1.3094
YIQ	71.5000, 102.0090, 29.0570

# Conversions

## Conversions Part 2

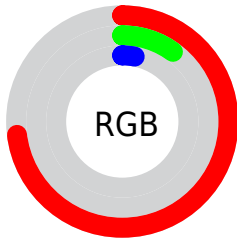
Format	Color
<a href="#">RYB</a>	<a href="#">187, 27, 8</a>
Decimal	<a href="#">12261640</a>
CIELab	<a href="#">40.06, 60.19, 50.83</a>
CIElCh	<a href="#">40, 78.784, 40.182</a>
Yxy	<a href="#">11.2870, 0.6240, 0.3369</a>
Android (android.graphics.Color)	<a href="#">4290451720 (0xFFBB1908)</a>
YUV	<a href="#">71.5000, -31.3055, 101.2935</a>
Hunter-Lab	<a href="#">33.5961, 52.2909, 21.2064</a>

# Details

The YIQ color **71.5000, 102.0090, 29.0570** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **123.5000, -102.0090, -29.0570**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.7900, 106.8240, 24.3920**, and **37.0760, 73.9040, 26.2880** is the 20% darker color. If you saturate the color by 10%, you get **66.4790, 106.5020, 30.2300**, and if you desaturate by 10%, it is **83.6450, 91.2350, 26.0750**.

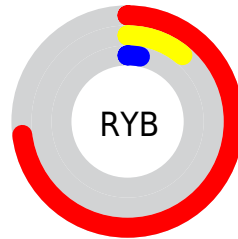
# Distribution



Red (73%)

Green (10%)

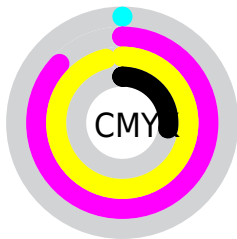
Blue (3%)



Red (73%)

Yellow (11%)

Blue (3%)

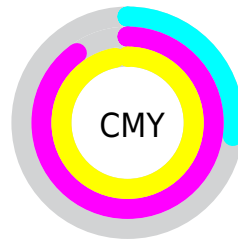


Cyan (0%)

Magenta (87%)

Yellow (96%)

Black (27%)



Cyan (27%)

Magenta (90%)


Yellow (97%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 71.5000, 102.0090, 29.0570 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 71.5000, 102.0090, 29.0570 by changing the saturation by 10% instead.




 71.5000, 102.0090,  
29.0570


 71.5000, 102.0090,  
29.0570


 253.6320, 3.8520,  
-3.7320

 46.6440, 92.9760,  
33.0720


 134.7900,  
106.8240, 24.3920


 37.0760, 73.9040,  
26.2880


 154.8590, 93.2080,  
17.8480


 27.8070, 55.4280,  
19.7160


 174.1450, 77.4830,  
10.9790

 19.7770, 37.7770,  
14.7130

 194.1320, 61.1620,  
3.8980

 9.3830, 18.1550,  
6.8830

 214.1190, 44.8410,  
-3.1830

 0.0000, 0.0000,  
0.0000

 234.3340, 27.8780,

-9.6420

■ 250.4400, 12.8400,  
-12.4400

■ 71.5000, 102.0090,  
29.0570

■ 71.5000, 102.0090,  
29.0570

■ 66.4790, 106.5020,  
30.2300

■ 83.6450, 91.2350,  
26.0750

■ 95.7900, 80.4610,  
23.0930

■ 107.8210, 70.0080,  
19.8000

■ 119.9660, 59.2340,  
16.8180

■ 132.1110, 48.4600,  
13.8360

■ 144.1420, 38.0070,  
10.5430

■ 156.2870, 27.2330,  
7.5610

■ 168.4320, 16.4590,  
4.5790

■ 179.8760, 6.2810,  
1.8090

# Harmonies

## Analogous

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



69.0620, 95.9960, 66.4600



71.5000, 102.0090, 29.0570



87.9890, 68.4540, -7.1140

# Triad

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



71.5000, 102.0090, 29.0570



74.0370, -47.2620, -46.5740



82.4750, -98.5790, 18.9330

# Complementary

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



71.5000, 102.0090, 29.0570



123.5000, -102.0090, -29.0570

# 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.



91.7700, -101.3280, 8.1760



71.5000, 102.0090, 29.0570



83.6640, -70.2360, -26.6840

# Square

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



71.5000, 102.0090, 29.0570



65.7440, -30.8000, -58.5760



90.0310, -89.5420, -7.1900



94.4930, -9.5920, 52.7120



# Rectangle

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



71.5000, 102.0090, 29.0570



88.6880, 43.8360, -23.5240



90.0310, -89.5420, -7.1900



86.8120, -101.1460, 15.8940

# Sweetspot

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



71.5000, 102.0090, 29.0570



197.0390, 39.7950, 11.1790



80.2170, 54.0400, 88.9520



94.9060, 23.9320, 6.8120



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



71.5000, 102.0090, 29.0570



85.8590, 137.9070, 39.2750



123.1560, 77.8090, -16.9670



88.2780, 5.0890, 1.3850



56.0470, 90.0430, 25.6510



11.0300, 17.6510, 5.0030

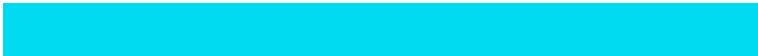


# Inverse Universe

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



123.5000, -102.0090, -29.0570



156.1410, -137.9070, -39.2750



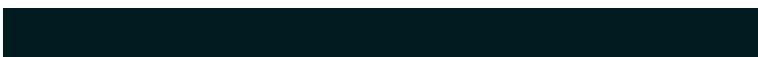
72.4310, -78.0840, 16.4440



90.7220, -5.0890, -1.3850



101.9530, -90.0430, -25.6510



19.9700, -17.6510, -5.0030



# Previews

## White Background



This preview shows how the YIQ color 71.5000, 102.0090, 29.0570 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



## 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 71.5000, 102.0090, 29.0570

## Background



This preview shows how black text looks on a background with the YIQ color 71.5000, 102.0090, 29.0570.



This preview shows how white text looks on a background with the YIQ color 71.5000, 102.0090,



# 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

71.5000, 102.0090, 29.0570

### Protanopia

91.4940, 29.9430, -19.5370

### Deuteranopia

89.5960, 47.0910, -21.9410



## Tritanopia

72.2810, 98.4320, 33.3120

# Trichromacy



## Original Color

71.5000, 102.0090, 29.0570

## Protanomaly

84.2190, 56.3030, -1.6570

## Deuteranomaly

83.0260, 67.0320, -3.3680

## Tritanomaly

71.8250, 99.7160, 32.0680

# Monochromacy



## Original Color

71.5000, 102.0090, 29.0570

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

71.9570, 37.0900, 10.6420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.5000, 102.0090, 29.0570 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(187, 25, 8)` looks like.

```
.text, #text, p{  
    color:rgb(187, 25, 8)  
}
```

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(187, 25, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 25, 8) }
```

## Border

The CSS property to change the border of an element to YIQ 71.5000, 102.0090, 29.0570 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(187, 25, 8) }
```



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

```
.border{ border-color:rgb(187, 25, 8) }
```

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

Here you see how a box with a 4 pixel rgb(187, 25, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 25, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 25, 8);  
box-shadow:4px 4px 4px 4px rgb(187, 25, 8)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 71.5000, 102.0090, 29.0570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 25, 8) }
```

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

```
.background{ background-color: rgb(187, 25,  
8) }
```

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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