

# Converting Colors

YIQ(70.4830, 100.6790, 31.1350)

Have a look what the booklet for  
YIQ(70.4830, 100.6790, 31.1350)  
contains.

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# Color

**YIQ(70.4830, 100.6790,  
31.1350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA170C
RGB	186, 23, 12
RGB Percent	73%, 9%, 5%
CMY	0.2702, 0.9100, 0.9525
CMYK	0.00, 0.88, 0.93, 0.27
HSL	4°, 88%, 39%
HSV	4°, 93%, 73%
XYZ	20.6454, 11.0881, 1.4033
YIQ	70.4830, 100.6790, 31.1350

# Conversions

## Conversions Part 2

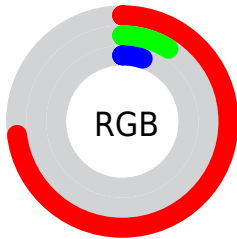
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 24, 12
Decimal	12195596
CIE Lab	39.73, 60.35, 49.19
CIE LCh	40, 77.860, 39.184
Yxy	11.0881, 0.6230, 0.3346
Android (android.graphics.Color)	4290385676 (0xFFBA170C)
YUV	70.4830, -28.8321, 101.3084
Hunter-Lab	33.2989, 52.3972, 20.8106

# Details

The YIQ color **70.4830, 100.6790, 31.1350** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **127.5170, -100.6790, -31.1350**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **133.5450, 106.1360, 25.8480**, and **36.7770, 73.3080, 26.0760** is the 20% darker color. If you saturate the color by 10%, you get **62.6580, 107.5560, 33.1560**, and if you desaturate by 10%, it is **82.6280, 89.9050, 28.1530**.

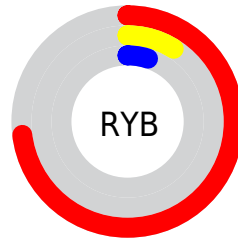
# Distribution



Red (73%)

Green (9%)

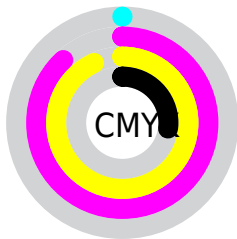
Blue (5%)



Red (73%)

Yellow (9%)

Blue (5%)

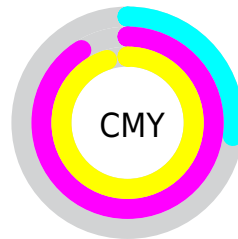


Cyan (0%)

Magenta (88%)

Yellow (93%)

Black (27%)



Cyan (27%)

Magenta (91%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.4830, 100.6790, 31.1350 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 70.4830, 100.6790, 31.1350 by changing the saturation by 10% instead.




 70.4830, 100.6790,  
31.1350


 70.4830, 100.6790,  
31.1350


 253.9740, 2.8890,  
-2.7990


 46.3450, 92.3800,  
32.8600


 133.5450,  
106.1360, 25.8480

 36.7770, 73.3080,  
26.0760


 154.5000, 92.8410,  
18.9930


 27.5080, 54.8320,  
19.5040

 173.7860, 77.1160,  
12.1240

 19.4780, 37.1810,  
14.5010

 193.7730, 60.7950,  
5.0430

 9.0840, 17.5590,  
6.6710

 213.2870, 44.4280,  
-1.2040

 0.0000, 0.0000,  
0.0000

 233.9750, 27.5110,

-8.4970

■ 250.6680, 12.1980,  
-11.8180

■ 70.4830, 100.6790,  
31.1350

■ 70.4830, 100.6790,  
31.1350

■ 62.6580, 107.5560,  
33.1560

■ 82.6280, 89.9050,  
28.1530

■ 95.2460, 79.1770,  
24.3370

■ 107.3910, 68.4030,  
21.3550

■ 120.1230, 57.3540,  
17.8500

■ 132.1540, 46.9010,  
14.5570

■ 144.8860, 35.8520,  
11.0520

■ 156.9170, 25.3990,  
7.7590

■ 169.6490, 14.3500,  
4.2540

■ 181.7940, 3.5760,  
1.2720

# Harmonies

## Analogous

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



68.5780, 94.4830, 66.3470



70.4830, 100.6790, 31.1350



87.7010, 69.3250, -6.3790

# Triad

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



70.4830, 100.6790, 31.1350



73.1080, -46.0240, -46.9840



82.2470, -97.9370, 18.3110

# Complementary

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



70.4830, 100.6790, 31.1350



127.5170, -100.6790, -31.1350

# 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.



90.7270, -99.7690, 7.4550



70.4830, 100.6790, 31.1350



82.6210, -68.6770, -27.4050

# Square

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



70.4830, 100.6790, 31.1350



64.5700, -30.2500, -57.5300



89.1020, -88.3040, -7.6000



93.7700, -11.9300, 51.0300



# Rectangle

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



70.4830, 100.6790, 31.1350



88.1010, 44.1110, -23.0010



89.1020, -88.3040, -7.6000



85.8830, -99.9080, 15.4840

# Sweetspot

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



70.4830, 100.6790, 31.1350



197.2670, 39.1530, 11.8010



82.8360, 50.7390, 88.2030



94.4330, 23.8860, 7.6460



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.



70.4830, 100.6790, 31.1350



81.1630, 140.1070, 43.4590



120.3780, 77.3040, -13.3200



85.6910, 5.3640, 1.9080



52.5140, 90.2260, 27.8420



9.5460, 16.1380, 4.8900



# Inverse Universe

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



127.5170, -100.6790, -31.1350



160.8370, -140.1070, -43.4590



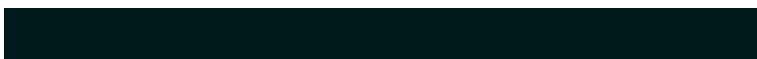
77.6220, -77.3040, 13.3200



88.7220, -5.0890, -1.3850



103.4860, -90.2260, -27.8420



18.4540, -16.1380, -4.8900



# Previews

## White Background



This preview shows how the YIQ color 70.4830, 100.6790, 31.1350 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 70.4830, 100.6790, 31.1350

## Background



This preview shows how black text looks on a background with the YIQ color 70.4830, 100.6790, 31.1350.



This preview shows how white text looks on a background with the YIQ color 70.4830, 100.6790,



# 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

70.4830, 100.6790, 31.1350

### Protanopia

90.9500, 28.6590, -18.2930

### Deuteranopia

88.7100, 46.7700, -21.6300



## Tritanopia

70.5800, 99.0280, 33.5240

# Trichromacy



## Original Color

70.4830, 100.6790, 31.1350

## Protanomaly

83.6750, 55.0190, -0.4130

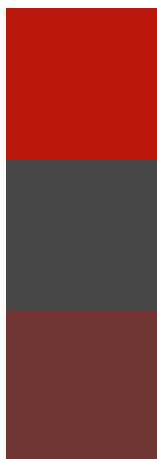
## Deuteranomaly

82.2540, 66.3900, -2.7460

## Tritanomaly

70.3520, 99.6700, 32.9020

# Monochromacy



## Original Color

70.4830, 100.6790, 31.1350

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.1850, 36.4480, 11.2640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.4830, 100.6790, 31.1350 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(186, 23, 12)` looks like.

```
.text, #text, p{  
    color:rgb(186, 23, 12)  
}
```

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(186, 23, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 23, 12) }
```

## Border

The CSS property to change the border of an element to YIQ 70.4830, 100.6790, 31.1350 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(186, 23, 12) }
```



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

```
.border{ border-color:rgb(186, 23, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 23, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 23, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 23, 12);  
box-shadow:4px 4px 4px 4px rgb(186, 23,  
12) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.4830, 100.6790, 31.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 23, 12) }
```

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

```
.background{ background-color: rgb(186, 23,  
12) }
```

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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