

# Converting Colors

YIQ(82.2150, 81.6030, 46.4590)

Have a look what the booklet for  
YIQ(82.2150, 81.6030, 46.4590)  
contains.

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# Color

**YIQ(82.2150, 81.6030,  
46.4590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD1E47
RGB	189, 30, 71
RGB Percent	74%, 12%, 28%
CMY	0.2584, 0.8826, 0.7213
CMYK	0.00, 0.84, 0.62, 0.26
HSL	344°, 73%, 43%
HSV	344°, 84%, 74%
XYZ	22.6141, 12.2131, 7.1392
YIQ	82.2150, 81.6030, 46.4590

# Conversions

## Conversions Part 2

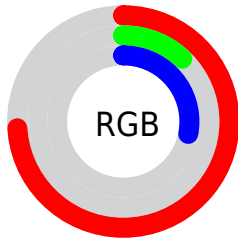
Format	Color
<a href="#">RYB</a>	189, 30, 71
Decimal	12394055
CIELab	41.55, 61.75, 18.58
CIElCh	42, 64.488, 16.746
Yxy	12.2131, 0.5389, 0.2910
Android (android.graphics.Color)	4290584135 (0xFFBD1E47)
YUV	82.2150, -5.5290, 93.6504
Hunter-Lab	34.9472, 54.3488, 12.3509

# Details

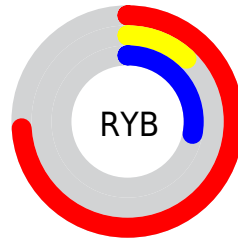
The YIQ color **82.2150, 81.6030, 46.4590** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **136.7850, -81.6030, -46.4590**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **143.7930, 85.5470, 41.0590**, and **41.4640, 67.3000, 35.8440** is the 20% darker color. If you saturate the color by 10%, you get **69.4660, 91.3220, 52.0420**, and if you desaturate by 10%, it is **94.9640, 71.8840, 40.8760**.

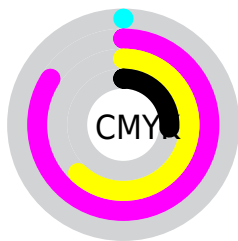
# Distribution



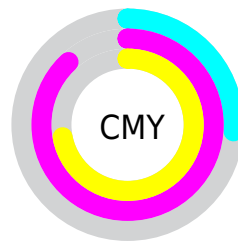
- Red (74%)
- Green (12%)
- Blue (28%)



- Red (74%)
- Yellow (12%)
- Blue (28%)



- Cyan (0%)
- Magenta (84%)
- Yellow (62%)
- Black (26%)




- Cyan (26%)
- Magenta (88%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.2150, 81.6030, 46.4590 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 82.2150, 81.6030, 46.4590 by changing the saturation by 10% instead.





 82.2150, 81.6030,  
46.4590


 82.2150, 81.6030,  
46.4590


255.0000, -0.0000,  
-0.0000


 53.1270, 79.0350,  
48.9470


 143.7930, 85.5470,  
41.0590


 41.5780, 66.9790,  
36.1550


 164.3890, 71.8850,  
35.3490


 29.8290, 58.3620,  
21.6100

 184.3760, 55.5640,  
28.2680

 21.1580, 41.0780,  
15.4620

 203.8900, 39.1970,  
22.0210

 11.7750, 22.9230,  
8.5790

 224.1050, 22.2340,  
15.5620

 0.0000, 0.0000,  
0.0000

 245.0210, 4.6750,

8.8910

■ 82.2150, 81.6030,  
46.4590

■ 82.2150, 81.6030,  
46.4590

■ 69.4660, 91.3220,  
52.0420

■ 94.9640, 71.8840,  
40.8760

■ 62.0970, 96.9150,  
55.3070

■ 107.7130, 62.1650,  
35.2930

■ 120.4620, 52.4460,  
29.7100

■ 133.2110, 42.7270,  
24.1270

■ 145.9600, 33.0080,  
18.5440

■ 158.1220, 23.5640,  
13.4840

■ 170.8710, 13.8450,  
7.9010

■ 183.6200, 4.1260,  
2.3180

■ 196.3690, -5.5930,  
-3.2650

# Harmonies

## Analogous

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



87.6150, 57.5300, 58.7300



82.2150, 81.6030, 46.4590



89.5860, 80.5550, 10.3710

# Triad

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



82.2150, 81.6030, 46.4590



69.6130, -31.8090, -56.8090



88.1850, -95.3670, 4.7690

# Complementary

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



82.2150, 81.6030, 46.4590



136.7850, -81.6030, -46.4590

# 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.



89.8030, -88.9000, -7.8120



82.2150, 81.6030, 46.4590



78.0610, -55.8370, -39.8450

# Square

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



82.2150, 81.6030, 46.4590



89.1430, 25.9570, -35.4110



85.5050, -74.0420, -23.7860



78.0920, -90.3710, 13.3490



# Rectangle

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



82.2150, 81.6030, 46.4590



91.8210, 68.8670, -9.0930



85.5050, -74.0420, -23.7860



89.8490, -94.5410, 0.8110

# Sweetspot

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



82.2150, 81.6030, 46.4590



203.9490, 31.5410, 17.5970



83.1090, 18.6930, 74.2530



97.7900, 18.5670, 10.4310



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.



82.2150, 81.6030, 46.4590



80.4370, 125.7970, 71.5330



99.2600, 84.5890, 14.3570



87.9190, 4.7220, 2.5300



51.9160, 81.0070, 46.2470



10.1810, 15.9080, 9.0600



# Inverse Universe

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



82.2150, 81.6030, 46.4590



80.4370, 125.7970, 71.5330



119.7400, -84.5890, -14.3570



87.9190, 4.7220, 2.5300



51.9160, 81.0070, 46.2470



10.1810, 15.9080, 9.0600



# Previews

## White Background



This preview shows how the YIQ color 82.2150, 81.6030, 46.4590 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 82.2150, 81.6030, 46.4590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

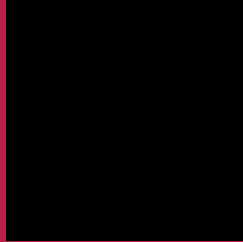
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 82.2150, 81.6030, 46.4590

## Background



This preview shows how black text looks on a background with the YIQ color 82.2150, 81.6030, 46.4590.



This preview shows how white text looks on a background with the YIQ color 82.2150, 81.6030,



# 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

82.2150, 81.6030, 46.4590

### Protanopia

99.7120, 0.8710, 0.7350

### Deuteranopia

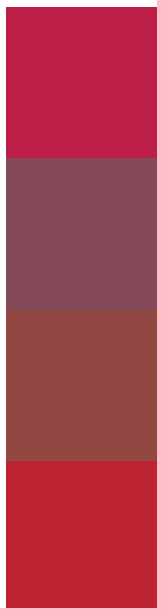
98.8270, 25.1720, -4.6520



## Tritanopia

83.5510, 88.8040, 31.5880

# Trichromacy



## Original Color

82.2150, 81.6030, 46.4590

## Protanomaly

93.3510, 30.3490, 17.1730

## Deuteranomaly

92.5560, 45.7090, 14.1330

## Tritanomaly

83.1580, 85.7770, 36.8890

# Monochromacy



## Original Color

82.2150, 81.6030, 46.4590

## Achromatopsia

82.0000, 0.0000, -0.0000

## Achromatomaly

82.0520, 29.7530, 16.9610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.2150, 81.6030, 46.4590 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(189, 30, 71)` looks like.

```
.text, #text, p{  
    color:rgb(189, 30, 71)  
}
```

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(189, 30, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 30, 71) }
```

## Border

The CSS property to change the border of an element to YIQ 82.2150, 81.6030, 46.4590 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(189, 30, 71) }
```



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

```
.border{ border-color:rgb(189, 30, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 30, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 30, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 30, 71);  
box-shadow:4px 4px 4px 4px rgb(189, 30,  
71) }
```

# Background

The CSS property to change the background color of an element to YIQ 82.2150, 81.6030, 46.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 30, 71) }
```

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

```
.background{ background-color: rgb(189, 30,  
71) }
```

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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