

# Converting Colors

YIQ(116.2440, 64.3230, 18.2030)

Have a look what the booklet for  
YIQ(116.2440, 64.3230, 18.2030)  
contains.

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# Color

**YIQ(116.2440, 64.3230,  
18.2030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD574C
RGB	189, 87, 76
RGB Percent	74%, 34%, 30%
CMY	0.2586, 0.6590, 0.7017
CMYK	0.00, 0.54, 0.60, 0.26
HSL	6°, 46%, 52%
HSV	6°, 60%, 74%
XYZ	25.7128, 18.1587, 8.9995
YIQ	116.2440, 64.3230, 18.2030

# Conversions

## Conversions Part 2

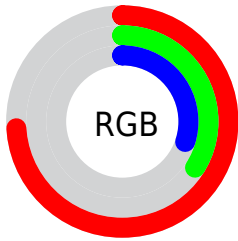
Format	Color
R <sub>Y</sub> B	189, 88, 76
Decimal	12408652
CIE Lab	49.69, 40.24, 26.14
CIE LCh	50, 47.980, 33.005
Yxy	18.1587, 0.4863, 0.3435
Android (android.graphics.Color)	4290598732 (0xFFBD574C)
YUV	116.2440, -19.8403, 63.8070
Hunter-Lab	42.6130, 33.1344, 17.3076

# Details

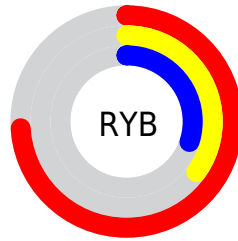
The YIQ color **116.2440, 64.3230, 18.2030** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **148.7560, -64.3230, -18.2030**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.2940, 70.0540, 18.9660**, and **63.0630, 57.5830, 19.2070** is the 20% darker color. If you saturate the color by 10%, you get **104.0990, 75.0970, 21.1850**, and if you desaturate by 10%, it is **128.3890, 53.5490, 15.2210**.

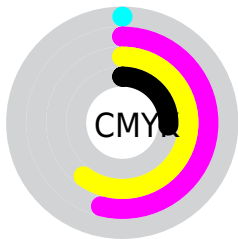
# Distribution



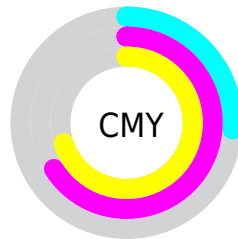
- Red (74%)
- Green (34%)
- Blue (30%)



- Red (74%)
- Yellow (35%)
- Blue (30%)



- Cyan (0%)
- Magenta (54%)
- Yellow (60%)
- Black (26%)




- Cyan (26%)
- Magenta (66%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.2440, 64.3230, 18.2030 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 116.2440, 64.3230, 18.2030 by changing the saturation by 10% instead.





 116.2440, 64.3230,  
18.2030


 116.2440, 64.3230,  
18.2030


255.0000, -0.0000,  
-0.0000


 89.6890, 61.5720,  
18.5000


 170.2940, 70.0540,  
18.9660


 63.0630, 57.5830,  
19.2070


 191.4880, 57.5840,  
13.6800

 33.3990, 56.7570,  
23.1650

 210.4150, 41.4920,  
7.9560

 22.1260, 44.1040,  
15.6880

 230.5160, 24.8500,  
1.1860

 14.8790, 28.5620,  
11.0100

 250.8450, 7.5660,  
-4.9620

 0.0000, 0.0000,  
0.0000

■ 116.2440, 64.3230,  
18.2030

■ 116.2440, 64.3230,  
18.2030

■ 104.0990, 75.0970,  
21.1850

■ 128.3890, 53.5490,  
15.2210

■ 91.9540, 85.8710,  
24.1670

■ 140.5340, 42.7750,  
12.2390

■ 79.8090, 96.6450,  
27.1490

■ 152.6790, 32.0010,  
9.2570

■ 67.6640, 107.4190,  
30.1310

■ 164.8240, 21.2270,  
6.2750

■ 67.0770, 107.6940,  
30.6540


■ 176.9690, 10.4530,  
3.2930

■ 189.1140, -0.3210,  
0.3110

■ 201.7320,  
-11.0490, -3.5050

■ 213.8770,

-21.8230, -6.4870

 226.0220,  
-32.5970, -9.4690

# Harmonies

## Analogous

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



117.2930, 54.6000, 34.7280



116.2440, 64.3230, 18.2030



115.4210, 58.5500, -3.8340

# Triad

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



116.2440, 64.3230, 18.2030



96.3240, -46.3920, -40.3120



101.9000, -81.3830, 4.6410

# Complementary

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



116.2440, 64.3230, 18.2030



148.7560, -64.3230, -18.2030

# 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.



99.1440, -97.2900, -9.9460



116.2440, 64.3230, 18.2030



94.8000, -76.7910, -34.5430

# Square

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



116.2440, 64.3230, 18.2030



108.9590, 6.1040, -33.5440



98.7730, -89.3560, -21.5800



120.9150, -14.6770, 29.2190



# Rectangle

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



116.2440, 64.3230, 18.2030



114.1170, 47.1820, -18.0820



98.7730, -89.3560, -21.5800



96.6480, -98.5290, -4.0090

# Sweetspot

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



116.2440, 64.3230, 18.2030



216.5040, 25.1240, 7.2360



121.6430, 33.9640, 56.3000



104.8340, 15.2670, 4.1550



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.



116.2440, 64.3230, 18.2030



131.6030, 100.2210, 28.4210



148.5290, 49.1980, -10.5620



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.



148.7560, -64.3230, -18.2030



182.3970, -100.2210, -28.4210



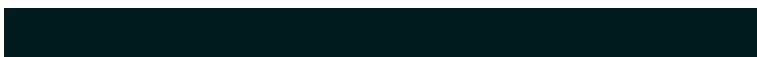
116.4710, -49.1980, 10.5620



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 116.2440, 64.3230, 18.2030 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 116.2440, 64.3230, 18.2030 looks on a black 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

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

# YIQ 116.2440, 64.3230, 18.2030

## Background



This preview shows how black text looks on a background with the YIQ color 116.2440, 64.3230, 18.2030.



This preview shows how white text looks on a background with the YIQ color 116.2440, 64.3230,



# 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

116.2440, 64.3230, 18.2030

### Protanopia

117.9720, 14.3980, -7.6340

### Deuteranopia

117.4810, 31.9580, -6.4900



## Tritanopia

117.0790, 60.6540, 24.1260

# Trichromacy



## Original Color

116.2440, 64.3230, 18.2030

## Protanomaly

117.2350, 33.0110, 1.9630

## Deuteranomaly

117.2100, 43.3270, 2.2310

## Tritanomaly

117.0960, 61.9840, 22.0480

# Monochromacy



## Original Color

116.2440, 64.3230, 18.2030

## Achromatopsia

116.0000, -0.0000, 0.0000

## Achromatomaly

115.9060, 23.9320, 6.8120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.2440, 64.3230, 18.2030 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, 87, 76)` looks like.

```
.text, #text, p{  
    color:rgb(189, 87, 76)  
}
```

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, 87, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 87, 76) }
```

## Border

The CSS property to change the border of an element to YIQ 116.2440, 64.3230, 18.2030 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, 87, 76) }
```



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

```
.border{ border-color:rgb(189, 87, 76) }
```

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

Here you see how a box with a 4 pixel rgb(189, 87, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 87, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 87, 76);  
box-shadow:4px 4px 4px 4px rgb(189, 87,  
76) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.2440, 64.3230, 18.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 87, 76) }
```

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

```
.background{ background-color: rgb(189, 87,  
76) }
```

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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