

# Converting Colors

YIQ(122.0030, 84.1750, 21.8630)

Have a look what the booklet for  
YIQ(122.0030, 84.1750, 21.8630)  
contains.

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# Color

**YIQ(122.0030, 84.1750,  
21.8630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D85542
RGB	216, 85, 66
RGB Percent	85%, 33%, 26%
CMY	0.1526, 0.6669, 0.7408
CMYK	0.00, 0.61, 0.69, 0.15
HSL	8°, 66%, 55%
HSV	8°, 69%, 85%
XYZ	32.5717, 21.4933, 7.5999
YIQ	122.0030, 84.1750, 21.8630

# Conversions

## Conversions Part 2

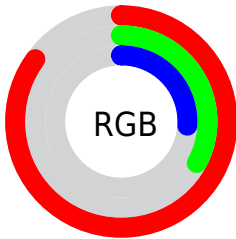
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">216, 88, 66</a>
Decimal	<a href="#">14177602</a>
CIELab	<a href="#">53.49, 50.39, 37.46</a>
CIElCh	<a href="#">53, 62.785, 36.624</a>
Yxy	<a href="#">21.4933, 0.5282, 0.3486</a>
Android (android.graphics.Color)	<a href="#">4292367682</a> (0xFFD85542)
YUV	<a href="#">122.0030, -27.6095, 82.4354</a>
Hunter-Lab	<a href="#">46.3609, 44.2769, 22.7332</a>

# Details

The YIQ color **122.0030, 84.1750, 21.8630** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **159.9970, -84.1750, -21.8630**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.9480, 76.8400, 17.1280**, and **64.2890, 77.6180, 25.0580** is the 20% darker color. If you saturate the color by 10%, you get **108.3420, 96.4620, 24.9580**, and if you desaturate by 10%, it is **135.6640, 71.8880, 18.7680**.

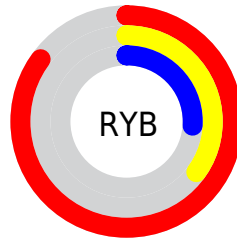
# Distribution



Red (85%)

Green (33%)

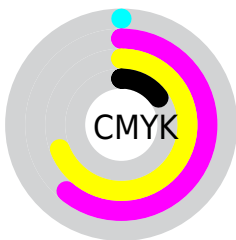
Blue (26%)



Red (85%)

Yellow (35%)

Blue (26%)

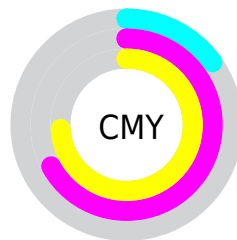


Cyan (0%)

Magenta (61%)

Yellow (69%)

Black (15%)



Cyan (15%)

Magenta (67%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.0030, 84.1750, 21.8630 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 122.0030, 84.1750, 21.8630 by changing the saturation by 10% instead.





 122.0030, 84.1750,  
21.8630


 122.0030, 84.1750,  
21.8630


255.0000, -0.0000,  
-0.0000


 94.2630, 80.5070,  
22.2590


 170.9480, 76.8400,  
17.1280


 64.2890, 77.6180,  
25.0580


 190.3480, 60.7940,  
10.5700


 37.0760, 73.9040,  
26.2880


 209.7480, 44.7480,  
4.0120

 28.1060, 56.0240,  
19.9280

 229.8490, 28.1060,  
-2.7580

 19.8480, 39.0150,  
14.3030

 250.1780, 10.8220,  
-8.9060

 10.8780, 21.1350,  
7.9430

 254.5440, 1.2840,

 0.0000, 0.0000,

-1.2440

0.0000

■ 122.0030, 84.1750,  
21.8630

■ 122.0030, 84.1750,  
21.8630

■ 108.3420, 96.4620,  
24.9580

■ 135.6640, 71.8880,  
18.7680

■ 94.7950, 108.4280,  
28.3640

■ 149.2110, 59.9220,  
15.3620

■ 81.1340, 120.7150,  
31.4590

■ 162.8720, 47.6350,  
12.2670

■ 80.4330, 121.3110,  
31.6710

■ 176.5330, 35.3480,  
9.1720

■ 189.4930, 23.6570,  
6.2890

■ 203.1540, 11.3700,  
3.1940

■ 216.7010, -0.5960,  
-0.2120

■ 230.3620,  
-12.8830, -3.3070

■ 243.3390,  
-23.2440, -8.2680

# Harmonies

## Analogous

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



121.2190, 75.7800, 47.3640



122.0030, 84.1750, 21.8630



121.7200, 76.3410, -12.3870

# Triad

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



122.0030, 84.1750, 21.8630



97.3980, -67.5720, -52.9480



103.2140, -111.5060, 5.4060

# Complementary

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



122.0030, 84.1750, 21.8630



159.9970, -84.1750, -21.8630

# 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.



110.9930, -112.7420, -5.2380



122.0030, 84.1750, 21.8630



105.6570, -86.6940, -36.7900

# Square

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



122.0030, 84.1750, 21.8630



111.9610, 2.6220, -47.5380



110.4110, -102.8360, -19.5720



130.9620, -12.8910, 40.9090



# Rectangle

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



122.0030, 84.1750, 21.8630



119.4430, 60.3430, -30.8330



110.4110, -102.8360, -19.5720



106.7360, -113.1560, 2.2680

# Sweetspot

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



122.0030, 84.1750, 21.8630



221.2550, 30.2590, 7.7870



126.0120, 46.7070, 73.1630



107.9160, 17.9720, 4.6920



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.



122.0030, 84.1750, 21.8630



122.2370, 118.9270, 30.8230



165.4410, 63.8250, -16.8390



100.4630, 6.0060, 1.2860



63.4560, 96.1410, 25.2690



15.7920, 24.2530, 6.5010

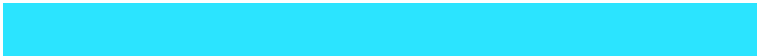


# Inverse Universe

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



159.9970, -84.1750, -21.8630



175.7630, -118.9270, -30.8230



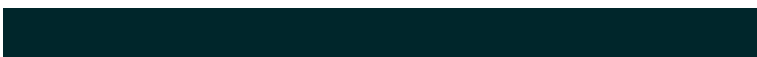
117.1460, -64.1000, 16.3160



103.1240, -6.2810, -1.8090



106.9570, -95.8660, -24.7460

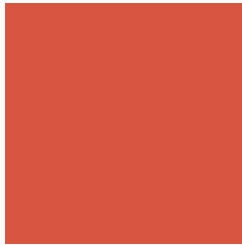


27.2080, -24.2530, -6.5010



# Previews

## White Background



This preview shows how the YIQ color 122.0030, 84.1750, 21.8630 looks on a white 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



# Black Background



This preview shows how the YIQ color 122.0030, 84.1750, 21.8630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

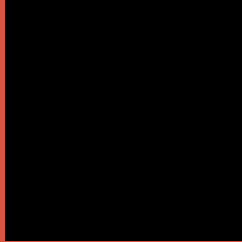
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.0030, 84.1750, 21.8630

## Background



This preview shows how black text looks on a background with the YIQ color 122.0030, 84.1750, 21.8630.



This preview shows how white text looks on a background with the YIQ color 122.0030, 84.1750,

21.8630.

# 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

122.0030, 84.1750, 21.8630

### Protanopia

126.2300, 22.2390, -12.0730

### Deuteranopia

125.8810, 42.2750, -11.7490



## Tritanopia

122.9350, 78.8550, 30.1750

# Trichromacy



## Original Color

122.0030, 84.1750, 21.8630

## Protanomaly

124.6400, 44.9320, 0.6760

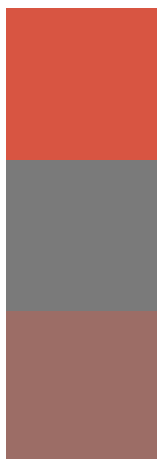
## Deuteranomaly

124.8710, 57.4030, 0.4350

## Tritanomaly

122.6100, 81.1480, 27.1640

# Monochromacy



## Original Color

122.0030, 84.1750, 21.8630

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.2550, 30.2590, 7.7870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.0030, 84.1750, 21.8630 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(216, 85, 66)` looks like.

```
.text, #text, p{  
    color:rgb(216, 85, 66)  
}
```

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(216, 85, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 85, 66) }
```

## Border

The CSS property to change the border of an element to YIQ 122.0030, 84.1750, 21.8630 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(216, 85, 66) }
```



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

```
.border{ border-color:rgb(216, 85, 66) }
```

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

Here you see how a box with a 4 pixel rgb(216, 85, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 85, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 85, 66);  
box-shadow:4px 4px 4px 4px rgb(216, 85,  
66) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.0030, 84.1750, 21.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 85, 66) }
```

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

```
.background{ background-color: rgb(216, 85,  
66) }
```

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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