

# Converting Colors

YIQ(137.9550, 57.7670, 15.8710)

Have a look what the booklet for  
YIQ(137.9550, 57.7670, 15.8710)  
contains.

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# Color

**YIQ(137.9550, 57.7670,  
15.8710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7065
RGB	203, 112, 101
RGB Percent	80%, 44%, 40%
CMY	0.2037, 0.5609, 0.6037
CMYK	0.00, 0.45, 0.50, 0.20
HSL	6°, 50%, 60%
HSV	6°, 50%, 80%
XYZ	32.7851, 25.2247, 15.4684
YIQ	137.9550, 57.7670, 15.8710

# Conversions

## Conversions Part 2

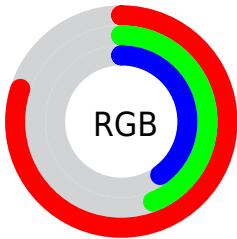
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 113, 101
Decimal	13332581
CIE <sub>Lab</sub>	57.29, 34.74, 22.01
CIE <sub>LCh</sub>	57, 41.122, 32.361
Yxy	25.2247, 0.4462, 0.3433
Android (android.graphics.Color)	4291522661 (0xFFCB7065)
YUV	137.9550, -18.2188, 57.0445
Hunter-Lab	50.2242, 28.6279, 16.8964

# Details

The YIQ color **137.9550, 57.7670, 15.8710** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **166.0450, -57.7670, -15.8710**, and the grayscale version is **138.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **190.4280, 57.8130, 15.0370**, and **85.9050, 52.0360, 15.1080** is the 20% darker color. If you saturate the color by 10%, you get **125.1090, 69.1370, 19.0650**, and if you desaturate by 10%, it is **150.8010, 46.3970, 12.6770**.

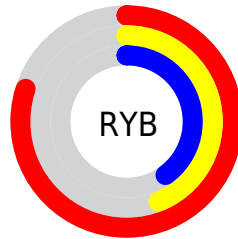
# Distribution



Red (80%)

Green (44%)

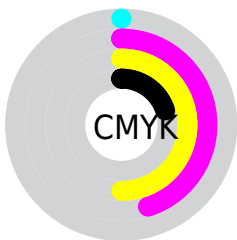
Blue (40%)



Red (80%)

Yellow (44%)

Blue (40%)

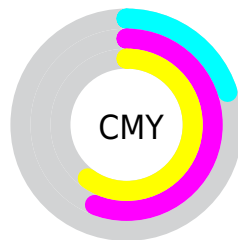


Cyan (0%)

Magenta (45%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (56%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 137.9550, 57.7670, 15.8710 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 137.9550, 57.7670, 15.8710 by changing the saturation by 10% instead.





 137.9550, 57.7670,  
15.8710


 137.9550, 57.7670,  
15.8710


255.0000, -0.0000,  
-0.0000


 111.2860, 55.3370,  
15.8570


 190.4280, 57.8130,  
15.0370


 85.9050, 52.0360,  
15.1080


 209.9420, 41.4460,  
8.7900


 60.4640, 48.9640,  
15.7160

 229.4560, 25.0790,  
2.5430

 33.1480, 47.0380,  
17.5820

 249.7850, 7.7950,  
-3.6050

 18.5380, 36.9520,  
13.1440

 11.1770, 21.7310,  
8.1550

 0.0000, 0.0000,

0.0000

■ 137.9550, 57.7670,  
15.8710

■ 137.9550, 57.7670,  
15.8710

■ 125.1090, 69.1370,  
19.0650

■ 150.8010, 46.3970,  
12.6770

■ 112.1490, 80.8280,  
21.9480

■ 163.7610, 34.7060,  
9.7940

■ 99.3030, 92.1980,  
25.1420

■ 176.6070, 23.3360,  
6.6000

■ 85.8700, 103.8430,  
28.8590

■ 190.0400, 11.6910,  
2.8830

■ 73.6110, 114.9380,  
31.5300

■ 203.0000, 0.0000,  
-0.0000

■ 215.8460,  
-11.3700, -3.1940

■ 228.6920,  
-22.7400, -6.3880

■ 239.4520,  
-30.9920, -11.0240

# Harmonies

## Analogous

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



139.8960, 48.2280, 29.0600



137.9550, 57.7670, 15.8710



136.8380, 53.0020, -2.4060

# Triad

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



137.9550, 57.7670, 15.8710



123.3800, -31.6300, -32.5100



130.2250, -57.3130, 8.9510

# Complementary

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



137.9550, 57.7670, 15.8710



166.0450, -57.7670, -15.8710

# 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.



110.8500, -105.4500, -16.2500



137.9550, 57.7670, 15.8710



107.4180, -87.5190, -38.3590

# Square

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



137.9550, 57.7670, 15.8710



130.4200, 6.4240, -28.3280



110.9350, -98.8000, -26.6400



140.1770, -12.6590, 25.6850



# Rectangle

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



137.9550, 57.7670, 15.8710



134.8270, 42.3670, -13.4170



110.9350, -98.8000, -26.6400



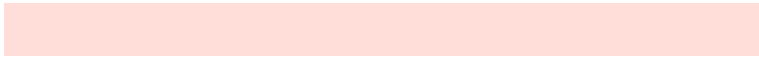
123.4890, -75.9720, 0.1880

# Sweetspot

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



137.9550, 57.7670, 15.8710



230.7100, 21.5480, 5.9640



141.9860, 31.2600, 50.2360



113.0510, 13.1580, 3.8300



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.



137.9550, 57.7670, 15.8710



157.1390, 86.7880, 24.0680



167.3050, 44.0170, -10.2790



95.5770, 5.6850, 1.5970



60.2000, 93.9860, 25.7780



13.7100, 21.5480, 5.9640



# Inverse Universe

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



166.0450, -57.7670, -15.8710



199.8610, -86.7880, -24.0680



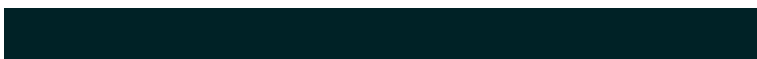
136.6950, -44.0170, 10.2790



98.4230, -5.6850, -1.5970



105.8000, -93.9860, -25.7780



24.2900, -21.5480, -5.9640



# Previews

## White Background



This preview shows how the YIQ color 137.9550, 57.7670, 15.8710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

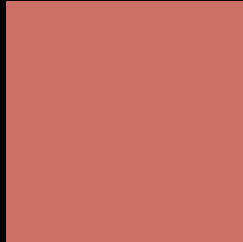
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 137.9550, 57.7670, 15.8710 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 137.9550, 57.7670, 15.8710

## Background



This preview shows how black text looks on a background with the YIQ color 137.9550, 57.7670, 15.8710.



This preview shows how white text looks on a background with the YIQ color 137.9550, 57.7670,



# 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

137.9550, 57.7670, 15.8710

### Protanopia

137.5420, 12.7930, -6.0790

### Deuteranopia

137.5780, 30.3070, -4.1010



## Tritanopia

138.9040, 53.7770, 22.1050

# Trichromacy



## Original Color

137.9550, 57.7670, 15.8710

## Protanomaly

138.0820, 29.0680, 1.8360

## Deuteranomaly

137.7690, 40.2550, 2.8390

## Tritanomaly

138.8070, 55.4280, 19.7160

# Monochromacy



## Original Color

137.9550, 57.7670, 15.8710

## Achromatopsia

138.0000, -0.0000, -0.0000

## Achromatomaly

138.4110, 20.9520, 5.7520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 137.9550, 57.7670, 15.8710 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(203, 112, 101)` looks like.

```
.text, #text, p{  
    color:rgb(203, 112, 101)  
}
```

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(203, 112, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 112, 101) }
```

## Border

The CSS property to change the border of an element to YIQ 137.9550, 57.7670, 15.8710 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(203, 112, 101) }
```



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

```
.border{ border-color:rgb(203, 112, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 112, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 112, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 112, 101);  
box-shadow:4px 4px 4px 4px rgb(203, 112,  
101) }
```

# Background

The CSS property to change the background color of an element to YIQ 137.9550, 57.7670, 15.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 112, 101) }
```

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

```
.background{ background-color: rgb(203,  
112, 101) }
```

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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