

# Converting Colors

YIQ(128.5470, 85.4590, 20.6190)

Have a look what the booklet for  
YIQ(128.5470, 85.4590, 20.6190)  
contains.

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# Color

**YIQ(128.5470, 85.4590,  
20.6190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF5C45
RGB	223, 92, 69
RGB Percent	87%, 36%, 27%
CMY	0.1252, 0.6394, 0.7291
CMYK	0.00, 0.59, 0.69, 0.13
HSL	9°, 71%, 57%
HSV	9°, 69%, 87%
XYZ	35.3542, 23.7756, 8.3708
YIQ	128.5470, 85.4590, 20.6190

# Conversions

## Conversions Part 2

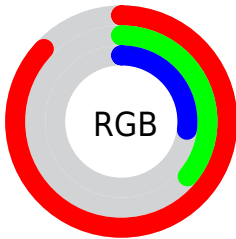
Format	Color
R <sub>Y</sub> B	223, 96, 69
Decimal	14638149
CIE Lab	55.86, 49.84, 38.86
CIE LCh	56, 63.195, 37.945
Yxy	23.7756, 0.5238, 0.3522
Android (android.graphics.Color)	4292828229 (0xFFDF5C45)
YUV	128.5470, -29.3567, 82.8353
Hunter-Lab	48.7602, 44.0933, 23.9536

# Details

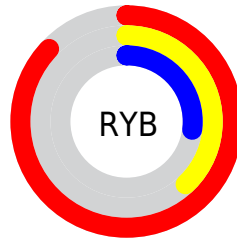
The YIQ color **128.5470, 85.4590, 20.6190** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **163.4530, -85.4590, -20.6190**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **175.3990, 73.9520, 14.4000**, and **72.0070, 78.3520, 22.7680** is the 20% darker color. If you saturate the color by 10%, you get **114.8860, 97.7460, 23.7140**, and if you desaturate by 10%, it is **142.2080, 73.1720, 17.5240**.

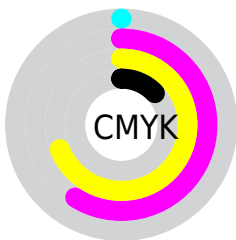
# Distribution



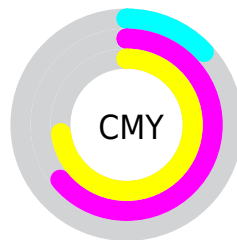
- Red (87%)
- Green (36%)
- Blue (27%)



- Red (87%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (59%)
- Yellow (69%)
- Black (13%)



- Cyan (13%)
- Magenta (64%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.5470, 85.4590, 20.6190 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 128.5470, 85.4590, 20.6190 by changing the saturation by 10% instead.





 128.5470, 85.4590,  
20.6190


 128.5470, 85.4590,  
20.6190


255.0000, -0.0000,  
-0.0000


 100.8070, 81.7910,  
21.0150


 175.3990, 73.9520,  
14.4000


 72.0070, 78.3520,  
22.7680


 194.7990, 57.9060,  
7.8420

 39.1690, 78.0760,  
27.7720


 214.3130, 41.5390,  
1.5950

 30.1990, 60.1960,  
21.4120

 234.4140, 24.8970,  
-5.1750

 21.2290, 42.3160,  
15.0520

 251.6940, 9.3090,  
-9.0190

 13.2700, 25.9030,  
9.6390

 0.0000, 0.0000,

0.0000

■ 128.5470, 85.4590,  
20.6190

■ 128.5470, 85.4590,  
20.6190

■ 114.8860, 97.7460,  
23.7140

■ 142.2080, 73.1720,  
17.5240

■ 101.1110,  
110.3540, 26.4980

■ 155.9830, 60.5640,  
14.7400

■ 87.4500, 122.6410,  
29.5930

■ 169.6440, 48.2770,  
11.6450

■ 86.0480, 123.8330,  
30.0170

■ 183.3050, 35.9900,  
8.5500

■ 197.0800, 23.3820,  
5.7660

■ 210.7410, 11.0950,  
2.6710

■ 224.4020, -1.1920,  
-0.4240

■ 238.1770,  
-13.8000, -3.2080

■ 245.4320,  
-19.0720, -6.7840

# Harmonies

## Analogous

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



128.1760, 77.3390, 46.6430



128.5470, 85.4590, 20.6190



127.8940, 75.7910, -13.4330

# Triad

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



128.5470, 85.4590, 20.6190



102.4190, -72.0650, -54.1210



107.5340, -115.4030, 4.4450

# Complementary

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



128.5470, 85.4590, 20.6190



163.4530, -85.4590, -20.6190

# 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.



115.5410, -117.2810, -5.5770



128.5470, 85.4590, 20.6190



110.0910, -90.9120, -37.4400

# Square

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



128.5470, 85.4590, 20.6190



117.9930, -0.4040, -47.7640



115.5460, -107.6500, -20.4340



136.9840, -9.9570, 42.8030



# Rectangle

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



128.5470, 85.4590, 20.6190



125.0470, 61.3980, -33.4340



115.5460, -107.6500, -20.4340



111.1700, -117.3740, 1.6180

# Sweetspot

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



128.5470, 85.4590, 20.6190



221.8420, 29.9840, 7.2640



130.3220, 48.7700, 74.3220



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.



128.5470, 85.4590, 20.6190



125.1720, 117.5520, 28.2080



172.5720, 64.8340, -18.6060



105.4630, 6.0060, 1.2860



67.8860, 97.7460, 23.7140



18.4610, 26.6830, 6.5150

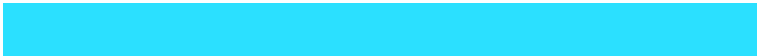


# Inverse Universe

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



163.4530, -85.4590, -20.6190



173.4150, -117.8270, -28.7310



120.0150, -65.1090, 18.0830



108.1240, -6.2810, -1.8090



108.1140, -97.7460, -23.7140

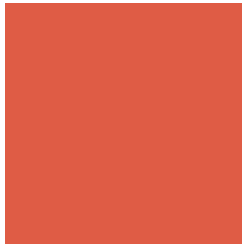


29.5390, -26.6830, -6.5150



# Previews

## White Background



This preview shows how the YIQ color 128.5470, 85.4590, 20.6190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

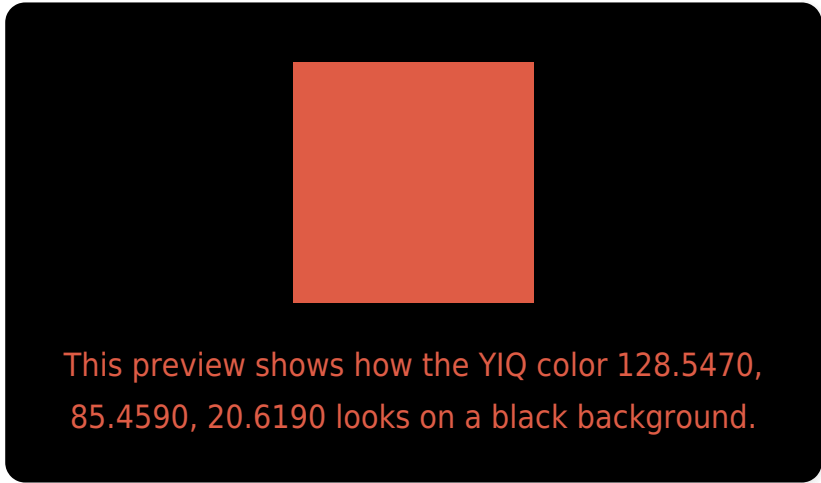
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 128.5470, 85.4590, 20.6190

## Background



This preview shows how black text looks on a background with the YIQ color 128.5470, 85.4590, 20.6190.



This preview shows how white text looks on a background with the YIQ color 128.5470, 85.4590,



# 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

128.5470, 85.4590, 20.6190

### Protanopia

132.1870, 23.7980, -12.7940

### Deuteranopia

131.8380, 43.8340, -12.4700



## Tritanopia

129.9350, 78.8550, 30.1750

# Trichromacy



## Original Color

128.5470, 85.4590, 20.6190

## Protanomaly

131.1840, 46.2160, -0.5680

## Deuteranomaly

130.8280, 58.9620, -0.2860

## Tritanomaly

129.4960, 81.4690, 26.8530

# Monochromacy



## Original Color

128.5470, 85.4590, 20.6190

## Achromatopsia

129.0000, 0.0000, 0.0000

## Achromatomaly

129.0270, 30.9010, 7.1650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.5470, 85.4590, 20.6190 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(223, 92, 69)` looks like.

```
.text, #text, p{  
    color:rgb(223, 92, 69)  
}
```

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(223, 92, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 92, 69) }
```

## Border

The CSS property to change the border of an element to YIQ 128.5470, 85.4590, 20.6190 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(223, 92, 69) }
```



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

```
.border{ border-color:rgb(223, 92, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 92, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 92, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 92, 69);  
box-shadow:4px 4px 4px 4px rgb(223, 92,  
69) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.5470, 85.4590, 20.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 92, 69) }
```

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

```
.background{ background-color: rgb(223, 92,  
69) }
```

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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