

# Converting Colors

YIQ(122.9150, 89.6340, 5.5220)

Have a look what the booklet for  
YIQ(122.9150, 89.6340, 5.5220)  
contains.

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# Color

**YIQ(122.9150, 89.6340,  
5.5220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D45F21
RGB	212, 95, 33
RGB Percent	83%, 37%, 13%
CMY	0.1684, 0.6276, 0.8702
CMYK	0.00, 0.55, 0.84, 0.17
HSL	21°, 73%, 48%
HSV	21°, 84%, 83%
XYZ	31.5327, 22.2921, 4.0873
YIQ	122.9150, 89.6340, 5.5220

# Conversions

## Conversions Part 2

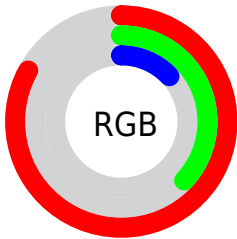
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 128, 33
Decimal	13917985
CIE <sub>Lab</sub>	54.34, 42.96, 54.30
CIE <sub>LCh</sub>	54, 69.243, 51.649
Yxy	22.2921, 0.5445, 0.3849
Android (android.graphics.Color)	4292108065 (0xFFD45F21)
YUV	122.9150, -44.3281, 78.1275
Hunter-Lab	47.2145, 36.5880, 27.9175

# Details

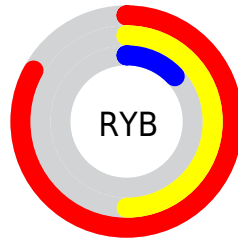
The YIQ color **122.9150, 89.6340, 5.5220** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **122.0850, -89.6340, -5.5220**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **172.6970, 84.3160, 2.7800**, and **70.0910, 77.5750, 9.3110** is the 20% darker color. If you saturate the color by 10%, you get **112.3030, 100.2250, 6.3130**, and if you desaturate by 10%, it is **133.5270, 79.0430, 4.7310**.

# Distribution



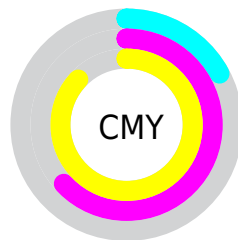
- Red (83%)
- Green (37%)
- Blue (13%)



- Red (83%)
- Yellow (50%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (84%)
- Black (17%)



- Cyan (17%)
- Magenta (63%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.9150, 89.6340, 5.5220 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 122.9150, 89.6340, 5.5220 by changing the saturation by 10% instead.



122.9150, 89.6340,  
5.5220

122.9150, 89.6340,  
5.5220

255.0000, -0.0000,  
-0.0000

94.9640, 87.9380,  
3.2180

172.6970, 84.3160,  
2.7800

70.0910, 77.5750,  
9.3110

191.9830, 68.5910,  
-4.0890

42.9240, 68.2200,  
19.1640

211.4970, 52.2240,  
-10.3360

26.9100, 53.6400,  
19.0800

231.0110, 35.8570,  
-16.5830

18.5380, 36.9520,  
13.1440

247.5900, 20.8650,  
-20.2150

9.6820, 18.7510,  
7.0950

250.7820, 11.8770,

0.0000, 0.0000,

-11.5070

0.0000

254.0880, 2.5680,  
-2.4880

122.9150, 89.6340,  
5.5220

122.9150, 89.6340,  
5.5220

112.3030,  
100.2250, 6.3130

133.5270, 79.0430,  
4.7310

106.2390,  
106.2770, 6.7650

144.2530, 68.1310,  
4.2510

154.8650, 57.5400,  
3.4600

164.8900, 47.2240,  
3.1920

175.5020, 36.6330,  
2.4010

■ 186.1140, 26.0420,  
1.6100

■ 196.8400, 15.1300,  
1.1300

■ 207.4520, 4.5390,  
0.3390

■ 218.0640, -6.0520,  
-0.4520

# Harmonies

## Analogous

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



120.1420, 91.8740, 42.0340



122.9150, 89.6340, 5.5220



121.8570, 68.0450, -27.2430

# Triad

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



122.9150, 89.6340, 5.5220



104.2260, -78.5310, -47.0670



124.9270, -58.5090, 30.6350

# Complementary

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



122.9150, 89.6340, 5.5220



122.0850, -89.6340, -5.5220

# 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.



111.7400, -118.9790, 3.1730



122.9150, 89.6340, 5.5220



111.8810, -98.7080, -28.3080

# Square

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



122.9150, 89.6340, 5.5220



98.2950, -48.5890, -61.0770



115.2330, -113.6580, -10.6660



132.6890, 19.1550, 54.8590



# Rectangle

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



122.9150, 89.6340, 5.5220



119.6100, 43.3350, -41.9850



115.2330, -113.6580, -10.6660



103.9950, -115.0830, 9.6610

# Sweetspot

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



122.9150, 89.6340, 5.5220



223.0500, 32.0940, 2.0620



100.0870, 68.4850, 74.9570



108.2920, 19.6690, 1.4690



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.



122.9150, 89.6340, 5.5220



127.9010, 127.7800, 8.0360



173.9840, 65.7090, -39.9790



101.6370, 5.4560, 0.2400



85.7620, 85.6910, 5.3950



21.6620, 21.5030, 1.2710



# Inverse Universe

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



122.0850, -89.6340, -5.5220



127.0990, -127.7800, -8.0360



71.0160, -65.7090, 39.9790



101.3630, -5.4560, -0.2400



85.2380, -85.6910, -5.3950



21.3380, -21.5030, -1.2710



# Previews

## White Background



This preview shows how the YIQ color 122.9150, 89.6340, 5.5220 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 122.9150, 89.6340, 5.5220 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 122.9150, 89.6340, 5.5220

## Background



This preview shows how black text looks on a background with the YIQ color 122.9150, 89.6340, 5.5220.



This preview shows how white text looks on a background with the YIQ color 122.9150, 89.6340,



# 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

122.9150, 89.6340, 5.5220

### Protanopia

125.3390, 37.5090, -24.4990

### Deuteranopia

124.2890, 58.1410, -23.9630



## Tritanopia

127.0590, 72.5740, 28.3660

# Trichromacy



## Original Color

122.9150, 89.6340, 5.5220

## Protanomaly

124.5420, 56.3510, -13.5450

## Deuteranomaly

123.4850, 69.6930, -13.0510

## Tritanomaly

125.3120, 78.8110, 19.9550

# Monochromacy



## Original Color

122.9150, 89.6340, 5.5220

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.9360, 32.4150, 1.7510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.9150, 89.6340, 5.5220 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(212, 95, 33)` looks like.

```
.text, #text, p{  
    color:rgb(212, 95, 33)  
}
```

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(212, 95, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 95, 33) }
```

## Border

The CSS property to change the border of an element to YIQ 122.9150, 89.6340, 5.5220 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(212, 95, 33) }
```



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

```
.border{ border-color:rgb(212, 95, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 95, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 95, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 95, 33);  
box-shadow:4px 4px 4px 4px rgb(212, 95,  
33) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.9150, 89.6340, 5.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 95, 33) }
```

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

```
.background{ background-color: rgb(212, 95,  
33) }
```

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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