

# Converting Colors

YIQ(77.9220, 53.3660, 13.0300)

Have a look what the booklet for  
YIQ(77.9220, 53.3660, 13.0300)  
contains.

<b>YIQ(77.9220, 53.3660, 13.0300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(77.9220, 53.3660,  
13.0300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	893729
RGB	137, 55, 41
RGB Percent	54%, 22%, 16%
CMY	0.4626, 0.7844, 0.8390
CMYK	0.00, 0.60, 0.70, 0.46
HSL	9°, 54%, 35%
HSV	9°, 70%, 54%
XYZ	12.0901, 8.2120, 3.0509
YIQ	77.9220, 53.3660, 13.0300

# Conversions

## Conversions Part 2

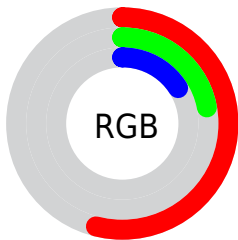
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 57, 41
Decimal	8992553
CIELab	34.42, 34.13, 26.19
CIElCh	34, 43.017, 37.497
Yxy	8.2120, 0.5177, 0.3516
Android (android.graphics.Color)	4287182633 (0xFF893729)
YUV	77.9220, -18.2025, 51.8114
Hunter-Lab	28.6565, 25.1596, 13.7474

# Details

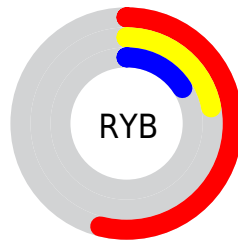
The YIQ color **77.9220, 53.3660, 13.0300** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **100.0780, -53.3660, -13.0300**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **129.8580, 59.4180, 13.4820**, and **25.6920, 48.3220, 16.3380** is the 20% darker color. If you saturate the color by 10%, you get **69.2820, 61.1600, 14.9520**, and if you desaturate by 10%, it is **86.5620, 45.5720, 11.1080**.

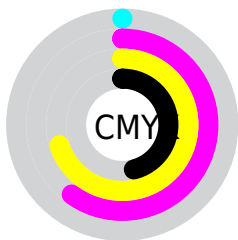
# Distribution



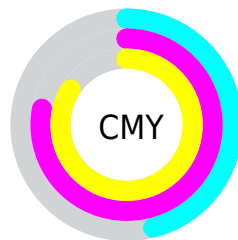
- Red (54%)
- Green (22%)
- Blue (16%)



- Red (54%)
- Yellow (22%)
- Blue (16%)



- Cyan (0%)
- Magenta (60%)
- Yellow (70%)
- Black (46%)



- Cyan (46%)
- Magenta (78%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.9220, 53.3660, 13.0300 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 77.9220, 53.3660, 13.0300 by changing the saturation by 10% instead.



■ 77.9220, 53.3660,  
13.0300

■ 77.9220, 53.3660,  
13.0300

255.0000, -0.0000,  
-0.0000

■ 52.4810, 50.2940,  
13.6380

■ 129.8580, 59.4180,  
13.4820

■ 25.6920, 48.3220,  
16.3380

■ 156.8260, 62.4440,  
13.7080

■ 16.1460, 32.1840,  
11.4480

■ 184.6090, 64.5530,  
14.0330

■ 6.5780, 13.1120,  
4.6640

■ 203.4220, 48.7820,  
7.9980

■ 0.0000, 0.0000,  
0.0000

■ 222.9360, 32.4150,  
1.7510

■ 243.1510, 15.4520,

-4.7080

254.0880, 2.5680,  
-2.4880

77.9220, 53.3660,  
13.0300

77.9220, 53.3660,  
13.0300

69.2820, 61.1600,  
14.9520

86.5620, 45.5720,  
11.1080

61.3430, 68.3580,  
16.6620

94.5010, 38.3740,  
9.3980

52.7030, 76.1520,  
18.5840

103.1410, 30.5800,  
7.4760

111.7810, 22.7860,  
5.5540

120.4210, 14.9920,  
3.6320

■ 128.3600, 7.7940,  
1.9220

■ 137.0000, -0.0000,  
0.0000

■ 145.6400, -7.7940,  
-1.9220

■ 153.5790,  
-14.9920, -3.6320

# Harmonies

## Analogous

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



77.8960, 48.2280, 29.0600



77.9220, 53.3660, 13.0300



77.7400, 47.2260, -7.8620

# Triad

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



77.9220, 53.3660, 13.0300



61.8070, -43.1380, -33.2020



65.1200, -70.3790, 3.4530

# Complementary

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



77.9220, 53.3660, 13.0300



100.0780, -53.3660, -13.0300

# 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.



69.8330, -71.2490, -2.8090



77.9220, 53.3660, 13.0300



67.0850, -55.2440, -23.0520

# Square

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



77.9220, 53.3660, 13.0300



71.0710, 0.0970, -29.3030



70.2600, -65.5620, -12.2660



83.2270, -6.9280, 26.4480



# Rectangle

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



77.9220, 53.3660, 13.0300



75.6860, 38.1500, -19.5940



70.2600, -65.5620, -12.2660



67.5820, -71.8000, 1.6720

# Sweetspot

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



77.9220, 53.3660, 13.0300



155.2970, 21.2730, 5.4410



79.1660, 30.5730, 46.1650



75.3390, 12.2870, 3.0950



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9220, 53.3660, 13.0300



86.1770, 83.6250, 20.8170



105.5110, 40.4410, -11.5510



64.6800, 3.8970, 0.9610



50.9200, 74.0430, 18.2590



2.0820, 2.7050, 0.5370



# Inverse Universe

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



100.0780, -53.3660, -13.0300



121.2360, -83.3500, -20.2940



72.4890, -40.4410, 11.5510



66.3200, -3.8970, -0.9610



81.4930, -73.7680, -17.7360



2.9180, -2.7050, -0.5370



# Previews

## White Background



This preview shows how the YIQ color 77.9220, 53.3660, 13.0300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

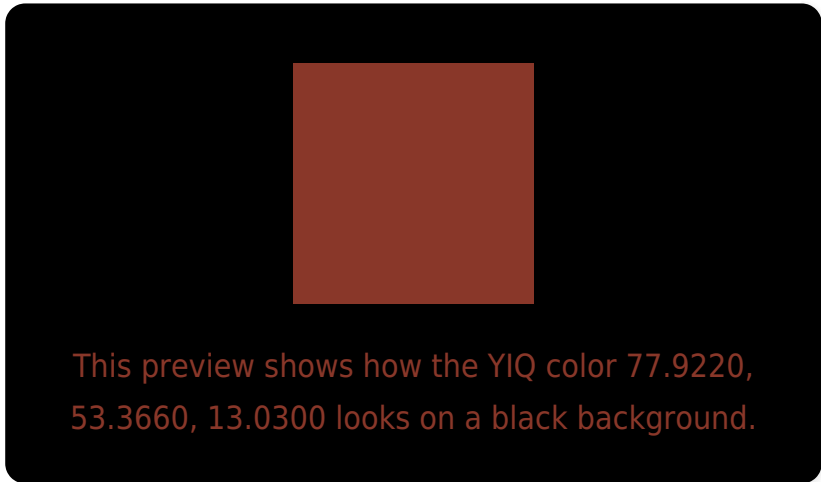
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 77.9220, 53.3660, 13.0300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 77.9220, 53.3660, 13.0300.



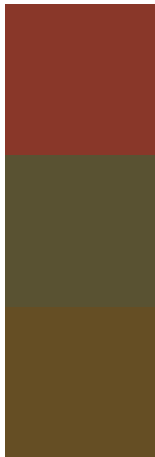
This preview shows how white text looks on a background with the YIQ color 77.9220, 53.3660,



# 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

77.9220, 53.3660, 13.0300

### Protanopia

80.4450, 14.4440, -8.4680

### Deuteranopia

80.0890, 27.1900, -8.1860



## Tritanopia

78.7570, 49.6970, 18.9530

# Trichromacy



## Original Color

77.9220, 53.3660, 13.0300

## Protanomaly

79.3160, 28.2890, -0.5670

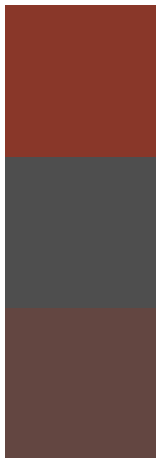
## Deuteranomaly

79.5080, 36.4960, -0.6240

## Tritanomaly

78.7740, 51.0270, 16.8750

# Monochromacy



## Original Color

77.9220, 53.3660, 13.0300

## Achromatopsia

78.0000, -0.0000, -0.0000

## Achromatomaly

78.1010, 18.8890, 4.5930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.9220, 53.3660, 13.0300 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(137, 55, 41)` looks like.

```
.text, #text, p{  
    color:rgb(137, 55, 41)  
}
```

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(137, 55, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 55, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 77.9220, 53.3660, 13.0300 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(137, 55, 41) }
```



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

```
.border{ border-color:rgb(137, 55, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 55, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 55, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 55, 41);  
box-shadow:4px 4px 4px 4px rgb(137, 55,  
41) }
```

# Background

The CSS property to change the background color of an element to YIQ 77.9220, 53.3660, 13.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 55, 41) }
```

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

```
.background{ background-color: rgb(137, 55,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor