

# Converting Colors

YIQ(68.7250, 88.2540, 30.5420)

Have a look what the booklet for  
YIQ(68.7250, 88.2540, 30.5420)  
contains.

<b>YIQ(68.7250, 88.2540, 30.5420)</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(68.7250, 88.2540,  
30.5420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC1917
RGB	172, 25, 23
RGB Percent	67%, 10%, 9%
CMY	0.3251, 0.9021, 0.9094
CMYK	0.00, 0.85, 0.87, 0.33
HSL	1°, 76%, 38%
HSV	1°, 87%, 67%
XYZ	17.5346, 9.5356, 1.7317
YIQ	68.7250, 88.2540, 30.5420

# Conversions

## Conversions Part 2

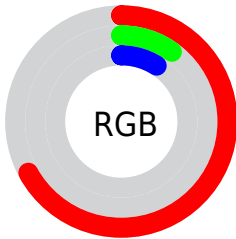
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 25, 23
Decimal	11278615
CIE Lab	37.00, 56.21, 41.08
CIE LCh	37, 69.616, 36.159
Yxy	9.5356, 0.6088, 0.3311
Android (android.graphics.Color)	4289468695 (0xFFAC1917)
YUV	68.7250, -22.5424, 90.5722
Hunter-Lab	30.8797, 47.3194, 18.2909

# Details

The YIQ color **68.7250, 88.2540, 30.5420** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **126.2750, -88.2540, -30.5420**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **129.0860, 94.3070, 25.4670**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **56.8080, 98.3860, 34.1460**, and if you desaturate by 10%, it is **80.6420, 78.1220, 26.9380**.

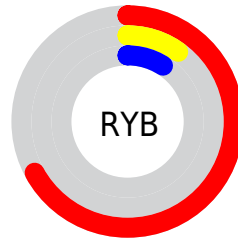
# Distribution



Red (67%)

Green (10%)

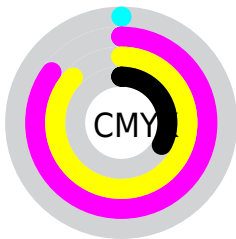
Blue (9%)



Red (67%)

Yellow (10%)

Blue (9%)

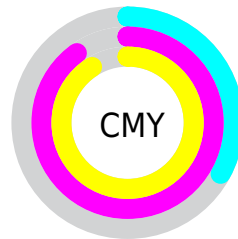


Cyan (0%)

Magenta (85%)

Yellow (87%)

Black (33%)



Cyan (33%)

Magenta (90%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 68.7250, 88.2540, 30.5420 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 68.7250, 88.2540, 30.5420 by changing the saturation by 10% instead.



■ 68.7250, 88.2540,  
30.5420

■ 68.7250, 88.2540,  
30.5420

254.8860, 0.3210,  
-0.3110

■ 42.1590, 84.0360,  
29.8920

■ 129.0860, 94.3070,  
25.4670

■ 32.8900, 65.5600,  
23.3200

■ 154.2380, 90.8230,  
22.5270

■ 23.9200, 47.6800,  
16.9600

■ 173.5240, 75.0980,  
15.6580

■ 15.7760, 30.3500,  
11.6460

■ 192.9240, 59.0520,  
9.1000

■ 0.0000, 0.0000,  
0.0000

■ 212.4380, 42.6850,  
2.8530

■ 232.5390, 26.0430,

-3.9170

■ 251.6940, 9.3090,  
-9.0190

■ 68.7250, 88.2540,  
30.5420

■ 68.7250, 88.2540,  
30.5420

■ 56.8080, 98.3860,  
34.1460

■ 80.6420, 78.1220,  
26.9380

■ 52.6020, 101.9620,  
35.4180

■ 92.6730, 67.6690,  
23.6450

■ 104.5900, 57.5370,  
20.0410

■ 116.5070, 47.4050,  
16.4370

■ 128.4240, 37.2730,  
12.8330

■ 140.3410, 27.1410,  
9.2290

■ 152.3720, 16.6880,  
5.9360

■ 164.2890, 6.5560,  
2.3320

■ 176.2060, -3.5760,  
-1.2720

# Harmonies

## Analogous

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



63.0110, 82.8380, 62.6300



68.7250, 88.2540, 30.5420



81.2000, 66.4820, -4.4140

# Triad

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



68.7250, 88.2540, 30.5420



67.0270, -41.3020, -44.4540



76.3310, -89.5460, 14.9180

# Complementary

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



68.7250, 88.2540, 30.5420



126.2750, -88.2540, -30.5420

# 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.



83.4090, -90.1860, 4.4860



68.7250, 88.2540, 30.5420



75.7420, -61.7080, -27.0520

# Square

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



68.7250, 88.2540, 30.5420



68.2570, -9.8950, -46.4630



81.4250, -79.0880, -9.4240



87.2650, -18.1180, 42.0260



# Rectangle

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



68.7250, 88.2540, 30.5420



82.5080, 44.5230, -19.4530



81.4250, -79.0880, -9.4240



79.8530, -91.1960, 11.7800

# Sweetspot

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



68.7250, 88.2540, 30.5420



183.9290, 34.2930, 11.7730



84.5370, 40.9750, 77.9270



88.0520, 20.5850, 6.8970



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



68.7250, 88.2540, 30.5420



68.7370, 132.6790, 45.9190



111.5760, 68.1790, -7.6370



80.6910, 5.3640, 1.9080



46.0240, 88.8500, 30.7540



6.8770, 13.7080, 4.8760



# Inverse Universe

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



126.2750, -88.2540, -30.5420



155.8500, -132.9540, -46.4420



84.0110, -68.4540, 7.1140



84.3090, -5.3640, -1.9080



104.5630, -89.1250, -31.2770



16.1230, -13.7080, -4.8760



# Previews

## White Background



This preview shows how the YIQ color 68.7250, 88.2540, 30.5420 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 68.7250, 88.2540, 30.5420

## Background



This preview shows how black text looks on a background with the YIQ color 68.7250, 88.2540, 30.5420.



This preview shows how white text looks on a background with the YIQ color 68.7250, 88.2540,



# 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

68.7250, 88.2540, 30.5420

### Protanopia

86.1760, 22.3310, -13.7410

### Deuteranopia

82.7960, 43.6520, -20.1880



## Tritanopia

68.7250, 88.2540, 30.5420

# Trichromacy



## Original Color

68.7250, 88.2540, 30.5420

## Protanomaly

80.1780, 46.3530, 2.4570

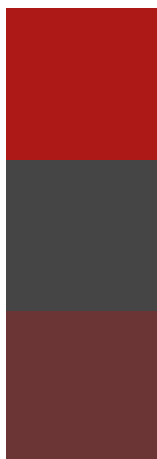
## Deuteranomaly

77.9590, 59.9710, -2.0530

## Tritanomaly

68.7250, 88.2540, 30.5420

# Monochromacy



## Original Color

68.7250, 88.2540, 30.5420

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

68.7330, 31.9090, 10.9250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 68.7250, 88.2540, 30.5420 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(172, 25, 23)` looks like.

```
.text, #text, p{  
    color:rgb(172, 25, 23)  
}
```

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(172, 25, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 25, 23) }
```

## Border

The CSS property to change the border of an element to YIQ 68.7250, 88.2540, 30.5420 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(172, 25, 23) }
```



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

```
.border{ border-color:rgb(172, 25, 23) }
```

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

Here you see how a box with a 4 pixel rgb(172, 25, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 25, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 25, 23);  
box-shadow:4px 4px 4px 4px rgb(172, 25,  
23) }
```

# Background

The CSS property to change the background color of an element to YIQ 68.7250, 88.2540, 30.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 25, 23) }
```

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

```
.background{ background-color: rgb(172, 25,  
23) }
```

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