

# Converting Colors

YIQ(85.3980, 120.3920, 42.8240)

Have a look what the booklet for  
YIQ(85.3980, 120.3920, 42.8240)  
contains.

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# Color

**YIQ(85.3980, 120.3920,  
42.8240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E31919
RGB	227, 25, 25
RGB Percent	89%, 10%, 10%
CMY	0.1093, 0.9022, 0.9015
CMYK	0.00, 0.89, 0.89, 0.11
HSL	360°, 80%, 49%
HSV	360°, 89%, 89%
XYZ	32.2398, 17.1132, 2.5306
YIQ	85.3980, 120.3920, 42.8240

# Conversions

## Conversions Part 2

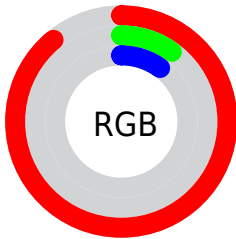
<b>Format</b>	<b>Color</b>
<b>RYB</b>	227, 25, 25
Decimal	14883097
CIELab	48.40, 71.11, 53.96
CIElCh	48, 89.264, 37.195
Yxy	17.1132, 0.6214, 0.3298
Android (android.graphics.Color)	4293073177 (0xFFE31919)
YUV	85.3980, -29.7762, 124.1850
Hunter-Lab	41.3681, 66.7182, 25.3308

# Details

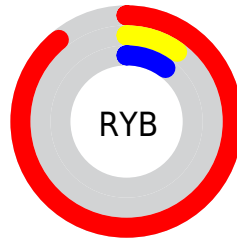
The YIQ color **85.3980, 120.3920, 42.8240** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **166.6020, -120.3920, -42.8240**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.0930, 101.5970, 25.5090**, and **48.4380, 96.5520, 34.3440** is the 20% darker color. If you saturate the color by 10%, you get **69.2750, 134.1000, 47.7000**, and if you desaturate by 10%, it is **101.5210, 106.6840, 37.9480**.

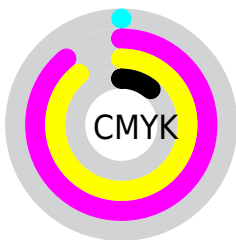
# Distribution



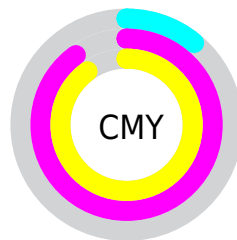
- Red (89%)
- Green (10%)
- Blue (10%)



- Red (89%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (89%)
- Black (11%)



- Cyan (11%)
- Magenta (90%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.3980, 120.3920, 42.8240 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 85.3980, 120.3920, 42.8240 by changing the saturation by 10% instead.



■ 85.3980, 120.3920,  
42.8240

■ 85.3980, 120.3920,  
42.8240

■ 255.0000, -0.0000,  
-0.0000

■ 58.0060, 115.6240,  
41.1280

■ 142.0930,  
101.5970, 25.5090

■ 48.4380, 96.5520,  
34.3440

■ 161.9660, 85.5970,  
18.1170

■ 38.5710, 76.8840,  
27.3480

■ 182.4260, 69.3220,  
10.2020

■ 29.1170, 57.4910,  
20.8750

■ 202.5270, 52.6800,  
3.4320

■ 20.6740, 39.5650,  
15.3490

■ 223.2150, 35.7630,  
-3.8610


■ 10.5790, 20.5390,  
7.7310


■ 244.0170, 18.5250,


■ 0.0000, 0.0000,


-10.8430


0.0000


 252.4920, 7.0620,  
-6.8420

 85.3980, 120.3920,  
42.8240

 85.3980, 120.3920,  
42.8240


 69.2750, 134.1000,  
47.7000


 101.5210,  
106.6840, 37.9480

 67.8730, 135.2920,  
48.1240

 117.0570, 93.2510,  
33.5950

 133.0660, 79.8640,  
28.4080

 149.1890, 66.1560,  
23.5320

 165.3120, 52.4480,  
18.6560

■ 180.7340, 39.3360,  
13.9920

■ 196.8570, 25.6280,  
9.1160

■ 212.9800, 11.9200,  
4.2400

■ 228.4020, -1.1920,  
-0.4240

# Harmonies

## Analogous

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



83.5730, 111.2150, 82.5030



85.3980, 120.3920, 42.8240



106.9710, 86.0600, -6.8040

# Triad

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



85.3980, 120.3920, 42.8240



89.1680, -55.4210, -58.4050



99.5100, -114.8550, 16.5450

# Complementary

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



85.3980, 120.3920, 42.8240



166.6020, -120.3920, -42.8240

# 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.



110.0760, -119.8050, 7.1310



85.3980, 120.3920, 42.8240



100.1630, -82.2470, -34.7830

# Square

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



85.3980, 120.3920, 42.8240



85.2360, -23.7380, -65.4180



108.5990, -106.0010, -11.7690



114.6090, -21.4220, 57.8580



# Rectangle

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



85.3980, 120.3920, 42.8240



108.2240, 56.7660, -26.5780



108.5990, -106.0010, -11.7690



104.2060, -117.0550, 12.3610

# Sweetspot

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



85.3980, 120.3920, 42.8240



206.6310, 41.1240, 14.6280



107.5290, 53.7620, 105.0100



99.2590, 24.4360, 8.6920



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.



85.3980, 120.3920, 42.8240



76.2450, 151.9800, 54.0600



142.9240, 93.4420, -8.4300



106.5880, 7.1520, 2.5440



53.5210, 106.6840, 37.9480



15.2490, 30.3960, 10.8120



# Inverse Universe

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



85.3980, 120.3920, 42.8240



76.2450, 151.9800, 54.0600



109.0760, -93.4420, 8.4300



106.5880, 7.1520, 2.5440



53.5210, 106.6840, 37.9480



15.2490, 30.3960, 10.8120



# Previews

## White Background



This preview shows how the YIQ color 85.3980, 120.3920, 42.8240 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 × Fail



# Black Background



This preview shows how the YIQ color 85.3980, 120.3920, 42.8240 looks on a black 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

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

# YIQ 85.3980, 120.3920, 42.8240

## Background



This preview shows how black text looks on a background with the YIQ color 85.3980, 120.3920, 42.8240.



This preview shows how white text looks on a background with the YIQ color 85.3980, 120.3920,



# 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

85.3980, 120.3920, 42.8240

### Protanopia

111.6790, 30.8600, -19.6360

### Deuteranopia

108.2240, 56.7660, -26.5780



## Tritanopia

85.3010, 122.0430, 40.4350

# Trichromacy



## Original Color

85.3980, 120.3920, 42.8240

## Protanomaly

102.2740, 63.6380, 3.0780

## Deuteranomaly

99.7240, 79.6860, -1.4180

## Tritanomaly

85.5290, 121.4010, 41.0570

# Monochromacy



## Original Color

85.3980, 120.3920, 42.8240

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.1260, 44.1040, 15.6880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.3980, 120.3920, 42.8240 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(227, 25, 25)` looks like.

```
.text, #text, p{  
    color:rgb(227, 25, 25)  
}
```

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(227, 25, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 25, 25) }
```

## Border

The CSS property to change the border of an element to YIQ 85.3980, 120.3920, 42.8240 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(227, 25, 25) }
```



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

```
.border{ border-color:rgb(227, 25, 25) }
```

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

Here you see how a box with a 4 pixel rgb(227, 25, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 25, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 25, 25);  
box-shadow:4px 4px 4px 4px rgb(227, 25,  
25) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.3980, 120.3920, 42.8240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 25, 25) }
```

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

```
.background{ background-color: rgb(227, 25,  
25) }
```

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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