

# Converting Colors

YIQ(83.2030, 125.4350, 45.0430)

Have a look what the booklet for  
YIQ(83.2030, 125.4350, 45.0430)  
contains.

<b>YIQ(83.2030, 125.4350, 45.0430)</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(83.2030, 125.4350,  
45.0430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E71415
RGB	231, 20, 21
RGB Percent	91%, 8%, 8%
CMY	0.0936, 0.9218, 0.9171
CMYK	0.00, 0.91, 0.91, 0.09
HSL	360°, 84%, 49%
HSV	360°, 91%, 91%
XYZ	33.3815, 17.5621, 2.3461
YIQ	83.2030, 125.4350, 45.0430

# Conversions

## Conversions Part 2

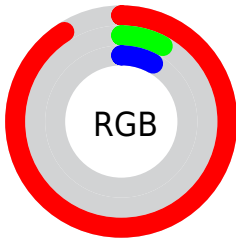
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 20, 21
Decimal	15143957
CIE Lab	48.96, 72.77, 56.35
CIE LCh	49, 92.034, 37.752
Yxy	17.5621, 0.6264, 0.3296
Android (android.graphics.Color)	4293334037 (0xFFE71415)
YUV	83.2030, -30.6661, 129.6180
Hunter-Lab	41.9071, 68.8484, 26.0158

# Details

The YIQ color **83.2030, 125.4350, 45.0430** 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 **167.7970, -125.4350, -45.0430**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **140.5770, 103.1100, 25.6220**, and **49.3350, 98.3400, 34.9800** is the 20% darker color. If you saturate the color by 10%, you get **69.1830, 137.3550, 49.2830**, and if you desaturate by 10%, it is **99.3260, 111.7270, 40.1670**.

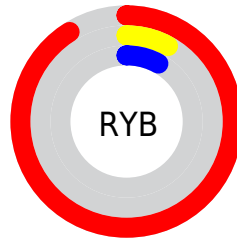
# Distribution



Red (91%)

Green (8%)

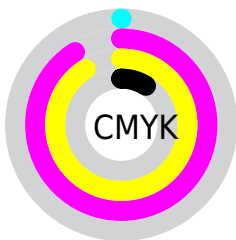
Blue (8%)



Red (91%)

Yellow (8%)

Blue (8%)

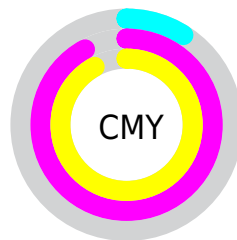


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (9%)



Cyan (9%)

Magenta (92%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.2030, 125.4350, 45.0430 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 83.2030, 125.4350, 45.0430 by changing the saturation by 10% instead.




 83.2030, 125.4350,  
45.0430


 83.2030, 125.4350,  
45.0430


255.0000, -0.0000,  
-0.0000


 59.2020, 118.0080,  
41.9760


 140.5770,  
103.1100, 25.6220


 49.3350, 98.3400,  
34.9800


 161.6240, 86.5600,  
17.1840


 39.7670, 79.2680,  
28.1960


 181.4970, 70.5600,  
9.7920

 30.3130, 59.8750,  
21.7230

 202.1850, 53.6430,  
2.4990

 21.6850, 41.0320,  
16.2960

 222.8730, 36.7260,  
-4.7940


 11.7750, 22.9230,  
8.5790


 243.5610, 19.8090,


 0.0000, 0.0000,


-12.0870


0.0000


 252.1500, 8.0250,  
-7.7750


 83.2030, 125.4350,  
45.0430


 83.2030, 125.4350,  
45.0430


 69.1830, 137.3550,  
49.2830

 99.3260, 111.7270,  
40.1670

 115.4490, 98.0190,  
35.2910

 131.5720, 84.3110,  
30.4150

 147.6950, 70.6030,  
25.5390

 164.4050, 56.6200,  
20.1400

■ 180.5280, 42.9120,  
15.2640

■ 196.6510, 29.2040,  
10.3880

■ 212.7740, 15.4960,  
5.5120

■ 228.8970, 1.7880,  
0.6360

# Harmonies

## Analogous

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



84.9540, 114.5160, 83.2520



83.2030, 125.4350, 45.0430



108.1560, 86.9770, -6.9030

# Triad

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



83.2030, 125.4350, 45.0430



90.3420, -55.9710, -59.4510



100.0970, -115.1300, 16.0220

# Complementary

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



83.2030, 125.4350, 45.0430



167.7970, -125.4350, -45.0430

# 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.



111.2500, -120.3550, 6.0850



83.2030, 125.4350, 45.0430



101.6790, -83.7600, -34.8960

# Square

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



83.2030, 125.4350, 45.0430



81.3270, -34.4200, -70.0680



110.3430, -108.1560, -11.2600



115.7880, -20.3680, 60.7840



# Rectangle

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



83.2030, 125.4350, 45.0430



109.6970, 56.8120, -27.4120



110.3430, -108.1560, -11.2600



105.3800, -117.6050, 11.3150

# Sweetspot

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



83.2030, 125.4350, 45.0430



206.7450, 40.8030, 14.9390



106.2460, 56.2370, 109.7170



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.



83.2030, 125.4350, 45.0430



76.3590, 151.6590, 54.3710



142.9630, 97.7060, -8.6140



106.5880, 7.1520, 2.5440



53.6350, 106.3630, 38.2590



15.2490, 30.3960, 10.8120



# Inverse Universe

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



83.2030, 125.4350, 45.0430



76.3590, 151.6590, 54.3710



108.0370, -97.7060, 8.6140



106.5880, 7.1520, 2.5440



53.6350, 106.3630, 38.2590



15.2490, 30.3960, 10.8120



# Previews

## White Background



This preview shows how the YIQ color 83.2030, 125.4350, 45.0430 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 83.2030, 125.4350, 45.0430 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 83.2030, 125.4350, 45.0430

## Background



This preview shows how black text looks on a background with the YIQ color 83.2030, 125.4350, 45.0430.



This preview shows how white text looks on a background with the YIQ color 83.2030, 125.4350,



# 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

83.2030, 125.4350, 45.0430

### Protanopia

113.1090, 32.4650, -21.1910

### Deuteranopia

109.9960, 57.4080, -27.2000



## Tritanopia

82.3080, 129.3330, 40.4770

# Trichromacy



## Original Color

83.2030, 125.4350, 45.0430

## Protanomaly

101.9430, 66.0680, 3.0920

## Deuteranomaly

100.5070, 81.7950, -1.0930

## Tritanomaly

82.8780, 127.7280, 42.0320

# Monochromacy



## Original Color

83.2030, 125.4350, 45.0430

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

83.1370, 45.5710, 16.6350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.2030, 125.4350, 45.0430 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(231, 20, 21)` looks like.

```
.text, #text, p{  
    color:rgb(231, 20, 21)  
}
```

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(231, 20, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 20, 21) }
```

## Border

The CSS property to change the border of an element to YIQ 83.2030, 125.4350, 45.0430 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(231, 20, 21) }
```



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

```
.border{ border-color:rgb(231, 20, 21) }
```

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

Here you see how a box with a 4 pixel rgb(231, 20, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 20, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 20, 21);  
box-shadow:4px 4px 4px 4px rgb(231, 20,  
21) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.2030, 125.4350, 45.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 20, 21) }
```

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

```
.background{ background-color: rgb(231, 20,  
21) }
```

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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