

# Converting Colors

YIQ(87.7420, 115.9470, 29.7630)

Have a look what the booklet for  
YIQ(87.7420, 115.9470, 29.7630)  
contains.

<b>YIQ(87.7420, 115.9470, 29.7630)</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(87.7420, 115.9470,  
29.7630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9250A
RGB	217, 37, 10
RGB Percent	85%, 15%, 4%
CMY	0.1486, 0.8551, 0.9603
CMYK	0.00, 0.83, 0.95, 0.15
HSL	8°, 91%, 45%
HSV	8°, 95%, 85%
XYZ	29.3611, 16.1084, 1.8524
YIQ	87.7420, 115.9470, 29.7630

# Conversions

## Conversions Part 2

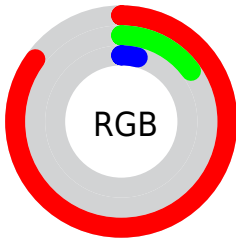
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">217, 41, 10</a>
Decimal	<a href="#">14230794</a>
CIELab	<a href="#">47.12, 65.95, 57.38</a>
CIElCh	<a href="#">47, 87.416, 41.028</a>
Yxy	<a href="#">16.1084, 0.6205, 0.3404</a>
Android (android.graphics.Color)	<a href="#">4292420874</a> (0xFFD9250A)
YUV	<a href="#">87.7420, -38.3268, 113.3593</a>
Hunter-Lab	<a href="#">40.1353, 60.3457, 25.3582</a>

# Details

The YIQ color **87.7420, 115.9470, 29.7630** 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 **139.2580, -115.9470, -29.7630**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.6000, 104.3030, 20.5190**, and **45.4480, 90.5920, 32.2240** is the 20% darker color. If you saturate the color by 10%, you get **81.3190, 121.6320, 31.3600**, and if you desaturate by 10%, it is **101.4030, 103.6600, 26.6680**.

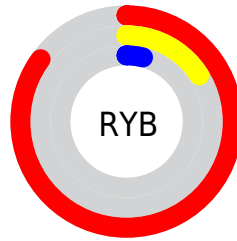
# Distribution



Red (85%)

Green (15%)

Blue (4%)



Red (85%)

Yellow (16%)

Blue (4%)

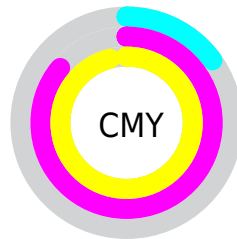


Cyan (0%)

Magenta (83%)

Yellow (95%)

Black (15%)



Cyan (15%)

Magenta (86%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.7420, 115.9470, 29.7630 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 87.7420, 115.9470, 29.7630 by changing the saturation by 10% instead.





 87.7420, 115.9470,  
29.7630


 87.7420, 115.9470,  
29.7630


 254.5440, 1.2840,  
-1.2440


 55.0160, 109.6640,  
39.0080


 142.6000,  
104.3030, 20.5190


 45.4480, 90.5920,  
32.2240


 162.4730, 88.3030,  
13.1270


 35.8800, 71.5200,  
25.4400


 182.4600, 71.9820,  
6.0460

 26.7250, 52.7230,  
19.1790

 202.4470, 55.6610,  
-1.0350

 18.2820, 34.7970,  
13.6530

 223.1350, 38.7440,  
-8.3280

 6.5780, 13.1120,  
4.6640

 243.8230, 21.8270,

 0.0000, 0.0000,

-15.6210

0.0000

■ 251.2380, 10.5930,  
-10.2630

■ 87.7420, 115.9470,  
29.7630

■ 87.7420, 115.9470,  
29.7630

■ 81.3190, 121.6320,  
31.3600

■ 101.4030,  
103.6600, 26.6680

■ 115.0640, 91.3730,  
23.5730

■ 128.6110, 79.4070,  
20.1670

■ 142.2720, 67.1200,  
17.0720

■ 155.3460, 55.1080,  
14.5000

■ 168.8930, 43.1420,  
11.0940

■ 182.5540, 30.8550,  
7.9990

■ 196.2150, 18.5680,  
4.9040

■ 209.8760, 6.2810,  
1.8090

# Harmonies

## Analogous

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



80.4110, 111.4910, 77.4990



87.7420, 115.9470, 29.7630



104.8560, 78.9540, -10.1820

# Triad

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



87.7420, 115.9470, 29.7630



87.8460, -57.2100, -53.5140



95.4010, -112.9300, 20.2060

# Complementary

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



87.7420, 115.9470, 29.7630



139.2580, -115.9470, -29.7630

# 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.



106.9130, -117.7880, 9.1240



87.7420, 115.9470, 29.7630



98.4990, -83.0730, -30.8250

# Square

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



87.7420, 115.9470, 29.7630



77.4840, -36.3000, -69.0360



105.8920, -105.2680, -8.5320



111.5460, -7.9430, 61.3770



# Rectangle

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



87.7420, 115.9470, 29.7630



104.6360, 49.6140, -29.1220



105.8920, -105.2680, -8.5320



100.6840, -115.4050, 15.4990

# Sweetspot

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



87.7420, 115.9470, 29.7630



208.9960, 41.3540, 10.4580



92.7550, 64.6290, 100.7970



99.9770, 25.1700, 6.4020



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.



87.7420, 115.9470, 29.7630



95.6160, 142.9050, 36.8010



147.0290, 88.1720, -23.0600



102.8760, 6.2810, 1.8090



64.6410, 97.0580, 25.1700



17.2760, 25.7660, 6.6140

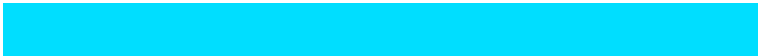


# Inverse Universe

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



139.2580, -115.9470, -29.7630



159.3840, -142.9050, -36.8010



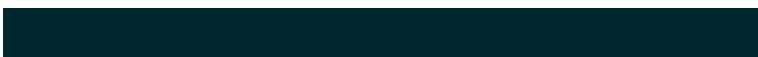
79.9710, -88.1720, 23.0600



105.5370, -6.0060, -1.2860



108.3590, -97.0580, -25.1700



28.7240, -25.7660, -6.6140



# Previews

## White Background



This preview shows how the YIQ color 87.7420, 115.9470, 29.7630 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 87.7420, 115.9470, 29.7630 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 87.7420, 115.9470, 29.7630

## Background



This preview shows how black text looks on a background with the YIQ color 87.7420, 115.9470, 29.7630.



This preview shows how white text looks on a background with the YIQ color 87.7420, 115.9470,



# 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

87.7420, 115.9470, 29.7630

### Protanopia

107.6100, 35.3080, -23.1560

### Deuteranopia

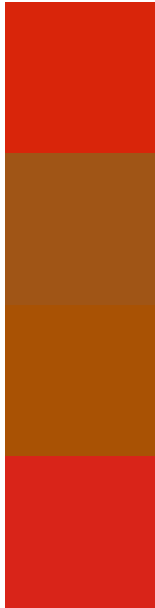
105.2670, 55.2070, -25.8570



## Tritanopia

89.1900, 109.1140, 37.9620

# Trichromacy



## Original Color

87.7420, 115.9470, 29.7630

## Protanomaly

100.2430, 64.9230, -3.6930

## Deuteranomaly

99.1210, 76.8900, -5.8140

## Tritanomaly

88.8650, 111.4070, 34.9510

# Monochromacy



## Original Color

87.7420, 115.9470, 29.7630

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.7080, 42.2250, 11.1930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.7420, 115.9470, 29.7630 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(217, 37, 10)` looks like.

```
.text, #text, p{  
    color:rgb(217, 37, 10)  
}
```

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(217, 37, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 37, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 87.7420, 115.9470, 29.7630 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(217, 37, 10) }
```



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

```
.border{ border-color:rgb(217, 37, 10) }
```

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

Here you see how a box with a 4 pixel rgb(217, 37, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 37, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 37, 10);  
box-shadow:4px 4px 4px 4px rgb(217, 37,  
10) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.7420, 115.9470, 29.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 37, 10) }
```

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

```
.background{ background-color: rgb(217, 37,  
10) }
```

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