

# Converting Colors

YIQ(70.8320, 116.1740, 42.1740)

Have a look what the booklet for  
YIQ(70.8320, 116.1740, 42.1740)  
contains.

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# Color

**YIQ(70.8320, 116.1740,  
42.1740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D00C0E
RGB	208, 12, 14
RGB Percent	82%, 5%, 5%
CMY	0.1838, 0.9531, 0.9446
CMYK	0.00, 0.94, 0.93, 0.18
HSL	359°, 89%, 43%
HSV	359°, 94%, 82%
XYZ	26.2565, 13.7202, 1.6840
YIQ	70.8320, 116.1740, 42.1740

# Conversions

## Conversions Part 2

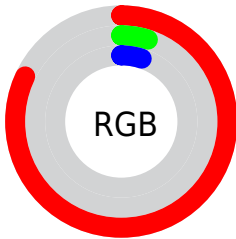
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">208, 12, 14</a>
Decimal	<a href="#">13634574</a>
CIELab	<a href="#">43.83, 67.76, 53.32</a>
CIElCh	<a href="#">44, 86.222, 38.202</a>
Yxy	<a href="#">13.7202, 0.6302, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4291824654</a> ( <a href="#">0xFFD00C0E</a> )
YUV	<a href="#">70.8320, -28.0182, 120.2963</a>
Hunter-Lab	<a href="#">37.0407, 61.7093, 23.2329</a>

# Details

The YIQ color **70.8320, 116.1740, 42.1740** 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 **149.1680, -116.1740, -42.1740**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.6700, 107.2820, 27.1060**, and **42.7570, 85.2280, 30.3160** is the 20% darker color. If you saturate the color by 10%, you get **62.4200, 123.3260, 44.7180**, and if you desaturate by 10%, it is **85.5530, 103.6580, 37.7220**.

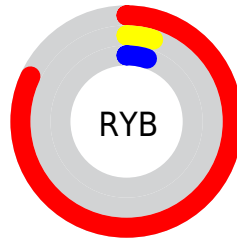
# Distribution



Red (82%)

Green (5%)

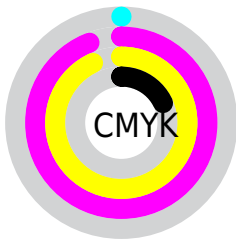
Blue (5%)



Red (82%)

Yellow (5%)

Blue (5%)

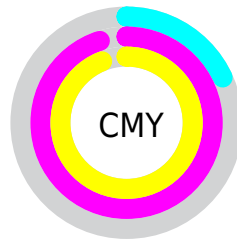


Cyan (0%)

Magenta (94%)

Yellow (93%)

Black (18%)



Cyan (18%)

Magenta (95%)


Yellow (94%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 70.8320, 116.1740, 42.1740 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 70.8320, 116.1740, 42.1740 by changing the saturation by 10% instead.





 70.8320, 116.1740,  
42.1740


 70.8320, 116.1740,  
42.1740


 254.4300, 1.6050,  
-1.5550


 52.6240, 104.8960,  
37.3120


 135.6700,  
107.2820, 27.1060


 42.7570, 85.2280,  
30.3160


 156.0160, 91.3280,  
18.8800


 33.1890, 66.1560,  
23.5320

 175.8890, 75.3280,  
11.4880

 24.4470, 47.6340,  
17.7940

 195.8760, 59.0070,  
4.4070


 15.4770, 29.7540,  
11.4340


 215.9770, 42.3650,  
-2.3630


 0.0000, 0.0000,  
0.0000


 236.7790, 25.1270,


-9.3450


 251.1240, 10.9140,  
-10.5740


 70.8320, 116.1740,  
42.1740


 70.8320, 116.1740,  
42.1740


 62.4200, 123.3260,  
44.7180

 85.5530, 103.6580,  
37.7220

 100.1600, 91.4630,  
32.9590

 114.2940, 79.2220,  
29.0300

 128.9010, 67.0270,  
24.2670

 143.6220, 54.5110,  
19.8150

■ 158.3430, 41.9950,  
15.3630

■ 172.9500, 29.8000,  
10.6000

■ 187.0840, 17.5590,  
6.6710

■ 201.6910, 5.3640,  
1.9080

# Harmonies

## Analogous

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



76.7090, 104.6600, 74.6440



70.8320, 116.1740, 42.1740



96.6050, 78.4030, -5.7010

# Triad

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



70.8320, 116.1740, 42.1740



80.8530, -49.9200, -53.4720



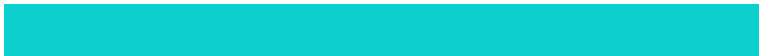
91.7820, -109.6290, 20.9550

# Complementary

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



70.8320, 116.1740, 42.1740



149.1680, -116.1740, -42.1740

# 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.



101.2080, -111.3690, 8.4310



70.8320, 116.1740, 42.1740



90.8050, -75.1870, -30.5710

# Square

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



70.8320, 116.1740, 42.1740



71.6140, -33.5500, -63.8060



98.7850, -97.6570, -8.8010



103.0070, -16.7910, 56.5290



# Rectangle

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



70.8320, 116.1740, 42.1740



97.8690, 50.5760, -24.5280



98.7850, -97.6570, -8.8010



96.5920, -112.1500, 17.0820

# Sweetspot

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



70.8320, 116.1740, 42.1740



205.2290, 42.3160, 15.0520



92.0510, 52.1120, 101.8720



97.2700, 25.9030, 9.6390



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.



70.8320, 116.1740, 42.1740



76.5870, 151.0170, 54.9930



126.3690, 90.6910, -8.1330



97.2890, 6.5560, 2.3320



50.4600, 99.4860, 36.2380



12.2590, 24.4360, 8.6920



# Inverse Universe

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



70.8320, 116.1740, 42.1740



76.5870, 151.0170, 54.9930



93.6310, -90.6910, 8.1330



97.2890, 6.5560, 2.3320



50.4600, 99.4860, 36.2380



12.2590, 24.4360, 8.6920



# Previews

## White Background



This preview shows how the YIQ color 70.8320, 116.1740, 42.1740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

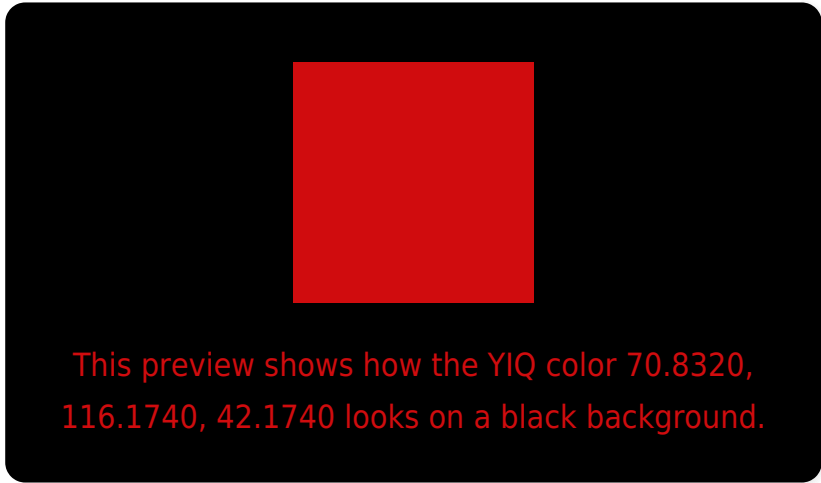
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 70.8320, 116.1740, 42.1740

## Background



This preview shows how black text looks on a background with the YIQ color 70.8320, 116.1740, 42.1740.



This preview shows how white text looks on a background with the YIQ color 70.8320, 116.1740,



# 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

70.8320, 116.1740, 42.1740

### Protanopia

101.2660, 30.5850, -20.1590

### Deuteranopia

98.4670, 51.7680, -24.1040



## Tritanopia

73.0460, 118.1470, 33.9470

# Trichromacy



## Original Color

70.8320, 116.1740, 42.1740

## Protanomaly

90.3770, 61.8500, 2.4420

## Deuteranomaly

88.3260, 75.0550, -0.0890

## Tritanomaly

71.8550, 117.3670, 37.0710

# Monochromacy



## Original Color

70.8320, 116.1740, 42.1740

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.2290, 42.3160, 15.0520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.8320, 116.1740, 42.1740 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(208, 12, 14)` looks like.

```
.text, #text, p{  
    color:rgb(208, 12, 14)  
}
```

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(208, 12, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 12, 14) }
```

## Border

The CSS property to change the border of an element to YIQ 70.8320, 116.1740, 42.1740 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(208, 12, 14) }
```



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

```
.border{ border-color:rgb(208, 12, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 12, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 12, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 12, 14);  
box-shadow:4px 4px 4px 4px rgb(208, 12,  
14) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.8320, 116.1740, 42.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 12, 14) }
```

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

```
.background{ background-color: rgb(208, 12,  
14) }
```

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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