

# Converting Colors

YIQ(70.2420, 112.5040, 53.6240)

Have a look what the booklet for  
YIQ(70.2420, 112.5040, 53.6240)  
contains.

|  |    |
|--|----|
| <b>YIQ(70.2420, 112.5040, 53.6240)</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(70.2420, 112.5040,  
53.6240)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D30525                     |
| RGB           | 211, 5, 37                 |
| RGB Percent   | 83%, 2%, 15%               |
| CMY           | 0.1720, 0.9805, 0.8545     |
| CMYK          | 0.00, 0.98, 0.82, 0.17     |
| HSL           | 351°, 95%, 42%             |
| HSV           | 351°, 98%, 83%             |
| XYZ           | 27.2902, 14.1090, 3.0441   |
| YIQ           | 70.2420, 112.5040, 53.6240 |

# Conversions

## Conversions Part 2

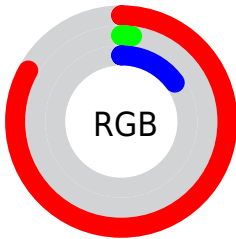
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">211, 5, 37</a>                      |
| Decimal                             | <a href="#">13829413</a>                        |
| CIELab                              | <a href="#">44.39, 69.56, 43.42</a>             |
| CIElCh                              | <a href="#">44, 81.999, 31.971</a>              |
| Yxy                                 | <a href="#">14.1090, 0.6140,<br/>0.3175</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4292019493<br/>(0xFFD30525)</a>     |
| YUV                                 | <a href="#">70.2420, -16.3883,<br/>123.4448</a> |
| Hunter-Lab                          | <a href="#">37.5620, 63.9536,<br/>21.4884</a>   |

# Details

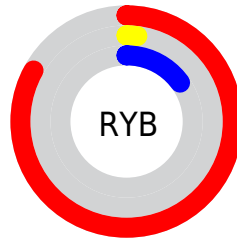
The YIQ color **70.2420, 112.5040, 53.6240** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **145.7580, -112.5040, -53.6240**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.3630, 101.1370, 33.8490**, and **43.9530, 87.6120, 31.1640** is the 20% darker color. If you saturate the color by 10%, you get **66.8510, 115.1630, 54.9950**, and if you desaturate by 10%, it is **84.6210, 100.9510, 48.2390**.

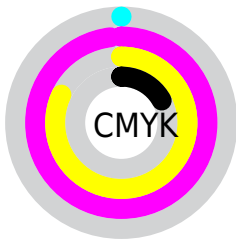
# Distribution



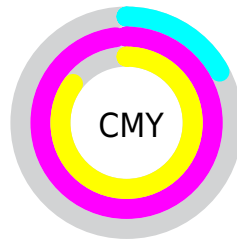
- Red (83%)
- Green (2%)
- Blue (15%)



- Red (83%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (82%)
- Black (17%)



- Cyan (17%)
- Magenta (98%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.2420, 112.5040, 53.6240 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 70.2420, 112.5040, 53.6240 by changing the saturation by 10% instead.



■ 70.2420, 112.5040,  
53.6240

■ 70.2420, 112.5040,  
53.6240

255.0000, -0.0000,  
-0.0000

■ 55.3450, 101.5480,  
42.9240

■ 137.3630,  
101.1370, 33.8490

■ 43.9530, 87.6120,  
31.1640

■ 157.8230, 84.8620,  
25.9340

■ 34.3850, 68.5400,  
24.3800

■ 178.2830, 68.5870,  
18.0190

■ 25.3440, 49.4220,  
18.4300

■ 198.2700, 52.2660,  
10.9380

■ 16.3740, 31.5420,  
12.0700

■ 218.4850, 35.3030,  
4.4790

■ 1.7940, 3.5760,  
1.2720

■ 239.1730, 18.3860,

■ 0.0000, 0.0000,

-2.8140

0.0000

253.6320, 3.8520,  
-3.7320

70.2420, 112.5040,  
53.6240

70.2420, 112.5040,  
53.6240

66.8510, 115.1630,  
54.9950

84.6210, 100.9510,  
48.2390

99.0000, 89.3980,  
42.8540

113.3790, 77.8450,  
37.4690

127.6440, 66.6130,  
31.7730

142.6100, 54.7850,  
25.8650

■ 156.9890, 43.2320,  
20.4800

■ 171.3680, 31.6790,  
15.0950

■ 185.7470, 20.1260,  
9.7100

■ 200.0120, 8.8940,  
4.0140

# Harmonies

## Analogous

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



77.0380, 96.5440, 78.5600



70.2420, 112.5040, 53.6240



96.3610, 85.1420, -1.1780

# Triad

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



70.2420, 112.5040, 53.6240



78.7840, -45.4720, -56.9920



94.7340, -109.6740, 16.2620

# Complementary

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



70.2420, 112.5040, 53.6240



145.7580, -112.5040, -53.6240

# 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.



101.0140, -108.0670, 3.6530



70.2420, 112.5040, 53.6240



89.7960, -70.9680, -35.4480

# Square

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



70.2420, 112.5040, 53.6240



85.9770, -3.4750, -52.6830



97.5480, -92.7960, -14.3000



103.4340, -37.4670, 45.7730



# Rectangle

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



70.2420, 112.5040, 53.6240



99.4080, 59.4240, -19.6800



97.5480, -92.7960, -14.3000



98.1420, -111.0030, 12.8130

# Sweetspot

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



70.2420, 112.5040, 53.6240



204.4940, 40.2520, 19.4200



79.9120, 36.3860, 100.5300



97.2530, 24.5730, 11.7170



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.



70.2420, 112.5040, 53.6240



80.8050, 139.1400, 66.5000



107.0970, 103.8010, 7.5850



97.5170, 5.9140, 2.9540



53.1960, 91.7820, 43.7020



12.9430, 22.5100, 10.5580



# Inverse Universe

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



70.2420, 112.5040, 53.6240



80.8050, 139.1400, 66.5000



108.9030, -103.8010, -7.5850



97.5170, 5.9140, 2.9540



53.1960, 91.7820, 43.7020



12.9430, 22.5100, 10.5580



# Previews

## White Background



This preview shows how the YIQ color 70.2420, 112.5040, 53.6240 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 70.2420, 112.5040, 53.6240 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 70.2420, 112.5040, 53.6240

## Background



This preview shows how black text looks on a background with the YIQ color 70.2420, 112.5040, 53.6240.



This preview shows how white text looks on a background with the YIQ color 70.2420, 112.5040,



# 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

70.2420, 112.5040, 53.6240

### Protanopia

104.8170, 21.9640, -12.5960

### Deuteranopia

101.5900, 47.2280, -18.9160



## Tritanopia

73.9430, 119.9350, 34.5830

# Trichromacy



## Original Color

70.2420, 112.5040, 53.6240

## Protanomaly

92.3520, 54.9710, 11.4750

## Deuteranomaly

90.2150, 71.2940, 7.5020

## Tritanomaly

72.4900, 117.1370, 41.2410

# Monochromacy



## Original Color

70.2420, 112.5040, 53.6240

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

69.7930, 40.8480, 19.6320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.2420, 112.5040, 53.6240 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(211, 5, 37)` looks like.

```
.text, #text, p{  
    color:rgb(211, 5, 37)  
}
```

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(211, 5, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 5, 37) }
```

## Border

The CSS property to change the border of an element to YIQ 70.2420, 112.5040, 53.6240 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(211, 5, 37) }
```



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

```
.border{ border-color:rgb(211, 5, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 5, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 5, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 5, 37);  
box-shadow:4px 4px 4px 4px rgb(211, 5, 37)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 70.2420, 112.5040, 53.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 5, 37) }
```

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

```
.background{ background-color: rgb(211, 5,  
37) }
```

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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