

Converting Colors

YIQ(70.4930, 139.4180, 50.4420)

Have a look what the booklet for
YIQ(70.4930, 139.4180, 50.4420)
contains.

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Color

**YIQ(70.4930, 139.4180,
50.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0002
RGB	235, 0, 2
RGB Percent	92%, 0%, 1%
CMY	0.0779, 0.9998, 0.9916
CMYK	0.00, 1.00, 0.99, 0.08
HSL	359°, 100%, 46%
HSV	359°, 100%, 92%
XYZ	34.3199, 17.6912, 1.6674
YIQ	70.4930, 139.4180, 50.4420

Conversions

Conversions Part 2

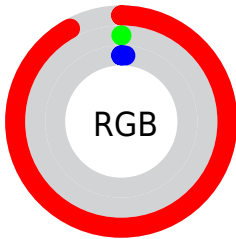
Format	Color
RYB	235, 0, 2
Decimal	15400962
CIELab	49.12, 75.36, 62.61
CIELCh	49, 97.974, 39.721
Yxy	17.6912, 0.6394, 0.3296
Android (android.graphics.Color)	4293591042 (0xFFEB0002)
YUV	70.4930, -33.7670, 144.2726
Hunter-Lab	42.0609, 72.0417, 27.0923

Details

The YIQ color **70.4930, 139.4180, 50.4420** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **164.5070, -139.4180, -50.4420**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.7470, 108.3830, 23.6710**, and **50.2320, 100.1280, 35.6160** is the 20% darker color. If you saturate the color by 10%, you get **70.4930, 139.4180, 50.4420**, and if you desaturate by 10%, it is **87.2030, 125.4350, 45.0430**.

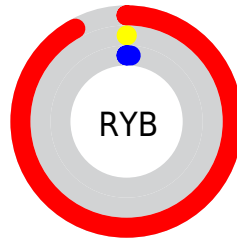
Distribution



Red (92%)

Green (0%)

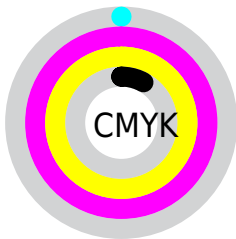
Blue (1%)



Red (92%)

Yellow (0%)

Blue (1%)

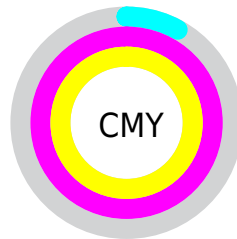


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 70.4930, 139.4180, 50.4420 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 70.4930, 139.4180, 50.4420 by changing the saturation by 10% instead.


 70.4930, 139.4180,
50.4420


 70.4930, 139.4180,
50.4420


 253.9740, 2.8890,
-2.7990


 60.3980, 120.3920,
42.8240


 136.8610,
108.0620, 23.9820


 50.2320, 100.1280,
35.6160


 157.9080, 91.5120,
15.5440


 40.6640, 81.0560,
28.8320


 178.3680, 75.2370,
7.6290

 31.0250, 60.7460,
22.4580

 199.0560, 58.3200,
0.3360

 22.5820, 42.8200,
16.9320

 219.6300, 41.7240,
-7.2680


 12.3730, 24.1150,
9.0030


 240.4320, 24.4860,


 0.0000, 0.0000,

-14.2500


0.0000


 250.6680, 12.1980,
-11.8180


 70.4930, 139.4180,
50.4420

 87.2030, 125.4350,
45.0430

 103.4400,
111.4060, 40.4780

 120.1500, 97.4230,
35.0790

 136.2730, 83.7150,
30.2030

 153.0970, 69.4110,
25.1150

■ 169.2200, 55.7030,
20.2390

■ 185.9300, 41.7200,
14.8400

■ 202.1670, 27.6910,
10.2750

■ 218.8770, 13.7080,
4.8760

Harmonies

Analogous

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



86.6620, 121.2100, 83.0820



70.4930, 139.4180, 50.4420



108.7430, 86.7020, -7.4260

Triad

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



70.4930, 139.4180, 50.4420



91.1570, -56.8880, -59.3520



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.



70.4930, 139.4180, 50.4420



164.5070, -139.4180, -50.4420

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.



112.4240, -120.9050, 5.0390



70.4930, 139.4180, 50.4420



103.1780, -86.6030, -32.9310

Square

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



70.4930, 139.4180, 50.4420



81.0060, -37.9500, -72.1740



112.2980, -112.2830, -8.0510



114.9400, -14.6840, 67.9080

Rectangle

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



70.4930, 139.4180, 50.4420



109.6750, 53.8780, -29.3060



112.2980, -112.2830, -8.0510



105.3800, -117.6050, 11.3150

Sweetspot

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



70.4930, 139.4180, 50.4420



201.7240, 45.2960, 16.1120



95.8590, 62.2410, 122.0570



95.7540, 27.4160, 9.7520



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.



70.4930, 139.4180, 50.4420



76.4730, 151.3380, 54.6820



137.1830, 108.7100, -9.8020



109.2890, 6.5560, 2.3320



54.3470, 107.2340, 38.9940



16.1460, 32.1840, 11.4480

Inverse Universe

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



70.4930, 139.4180, 50.4420



76.4730, 151.3380, 54.6820



98.4040, -108.9850, 9.2790



109.2890, 6.5560, 2.3320



54.3470, 107.2340, 38.9940



16.1460, 32.1840, 11.4480

Previews

White Background



This preview shows how the YIQ color 70.4930, 139.4180, 50.4420 looks on a white background.

Color Contrast Check

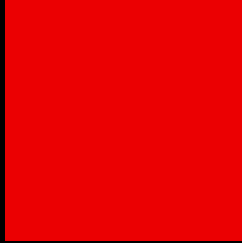
Large Text (above 18pt) WCAG AA ✓ Pass

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 70.4930, 139.4180, 50.4420 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 70.4930, 139.4180, 50.4420

Background



This preview shows how black text looks on a background with the YIQ color 70.4930, 139.4180, 50.4420.



This preview shows how white text looks on a background with the YIQ color 70.4930, 139.4180,

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

70.4930, 139.4180, 50.4420

Protanopia

113.1540, 36.5920, -24.4000

Deuteranopia

110.8820, 57.7290, -27.5110



Tritanopia

82.5810, 132.8180, 37.8900

Trichromacy



Original Color

70.4930, 139.4180, 50.4420

Protanomaly

97.8360, 73.6790, 2.8230

Deuteranomaly

96.1980, 87.1590, 0.8150

Tritanomaly

78.2980, 135.2930, 42.5970

Monochromacy



Original Color

70.4930, 139.4180, 50.4420

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

70.8280, 50.9350, 18.5430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.4930, 139.4180, 50.4420 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(235, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 2)  
}
```

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(235, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 2) }
```

Border

The CSS property to change the border of an element to YIQ 70.4930, 139.4180, 50.4420 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(235, 0, 2) }
```


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

```
.border{ border-color:rgb(235, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 0, 2); box-shadow:4px  
4px 4px 4px rgb(235, 0, 2) }
```

Background

The CSS property to change the background color of an element to YIQ 70.4930, 139.4180, 50.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 2) }
```

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

```
.background{ background-color: rgb(235, 0,  
2) }
```

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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