

Converting Colors

YIQ(83.8650, 146.9380, 46.3140)

Have a look what the booklet for
YIQ(83.8650, 146.9380, 46.3140)
contains.

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Color

**YIQ(83.8650, 146.9380,
46.3140)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0E00
RGB	253, 14, 0
RGB Percent	99%, 5%, 0%
CMY	0.0073, 0.9453, 0.9994
CMYK	0.00, 0.94, 1.00, 0.01
HSL	3°, 100%, 50%
HSV	3°, 100%, 99%
XYZ	40.7165, 21.2212, 1.9544
YIQ	83.8650, 146.9380, 46.3140

Conversions

Conversions Part 2

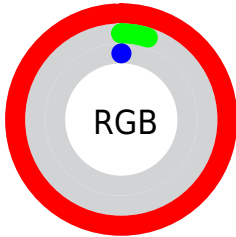
Format	Color
RYB	253, 15, 0
Decimal	16584192
CIELab	53.19, 78.68, 66.93
CIELCh	53, 103.297, 40.385
Yxy	21.2212, 0.6373, 0.3321
Android (android.graphics.Color)	4294774272 (0xFFFD0E00)
YUV	83.8650, -41.3454, 148.3314
Hunter-Lab	46.0664, 77.1537, 29.7310

Details

The YIQ color **83.8650, 146.9380, 46.3140** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **169.1350, -146.9380, -46.3140**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.0840, 105.8160, 20.6320**, and **55.3150, 110.2600, 39.2200** is the 20% darker color. If you saturate the color by 10%, you get **83.8650, 146.9380, 46.3140**, and if you desaturate by 10%, it is **100.8030, 132.3130, 41.5370**.

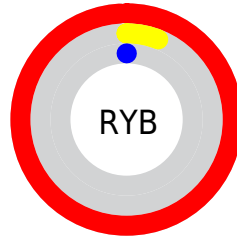
Distribution



Red (99%)

Green (5%)

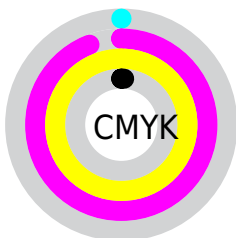
Blue (0%)



Red (99%)

Yellow (6%)

Blue (0%)

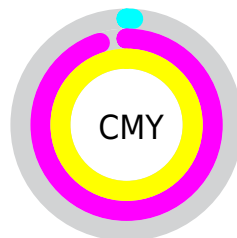


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 83.8650, 146.9380, 46.3140 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 83.8650, 146.9380, 46.3140 by changing the saturation by 10% instead.


 83.8650, 146.9380,
46.3140


 83.8650, 146.9380,
46.3140


 254.3160, 1.9260,
-1.8660

 65.4810, 130.5240,
46.4280


 141.0840,
105.8160, 20.6320


 55.6140, 110.8560,
39.4320


 162.1310, 89.2660,
12.1940


 45.4480, 90.5920,
32.2240


 182.7050, 72.6700,
4.5900

 35.9940, 71.1990,
25.7510

 203.9800, 55.4780,
-3.2260

 26.6540, 51.4850,
19.5890

 224.6680, 38.5610,
-10.5190


 17.2710, 33.3300,
12.7060

 245.4700, 21.3230,


 4.4850, 8.9400,

-17.5010


3.1800


 251.0100, 11.2350,
-10.8850


 0.0000, 0.0000,
0.0000


 83.8650, 146.9380,
46.3140

 100.8030,
132.3130, 41.5370

 117.8550,
117.3670, 37.0710

 134.7930,
102.7420, 32.2940

 151.7310, 88.1170,
27.5170

 168.7830, 73.1710,
23.0510

■ 185.7210, 58.5460,
18.2740

■ 202.0720, 44.1960,
14.0200

■ 219.1240, 29.2500,
9.5540

■ 236.0620, 14.6250,
4.7770

Harmonies

Analogous

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



87.7590, 119.5590, 85.4710



83.8650, 146.9380, 46.3140



118.7990, 92.2960, -9.6880

Triad

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



83.8650, 146.9380, 46.3140



99.7000, -63.0310, -63.6630



105.3800, -117.6050, 11.3150

Complementary

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



83.8650, 146.9380, 46.3140



169.1350, -146.9380, -46.3140

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.



118.8810, -123.9300, -0.7140



83.8650, 146.9380, 46.3140



112.4050, -94.6720, -35.3760

Square

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



83.8650, 146.9380, 46.3140



88.6370, -41.5250, -78.9730



122.0950, -121.9570, -8.9410



124.1580, -9.3660, 70.6500

Rectangle

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



83.8650, 146.9380, 46.3140



119.4210, 57.4090, -32.7270



122.0950, -121.9570, -8.9410



111.2500, -120.3550, 6.0850

Sweetspot

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



83.8650, 146.9380, 46.3140



204.0720, 44.1960, 14.0200



103.0070, 73.7480, 128.2760



96.9280, 26.8660, 8.7060



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.



83.8650, 146.9380, 46.3140



84.4630, 148.1300, 46.7380



157.2400, 112.5630, -19.0610



118.8870, 7.7480, 2.7560



62.9790, 111.0860, 35.2620



20.8970, 37.3190, 11.9990

Inverse Universe

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



169.1350, -146.9380, -46.3140



170.5370, -148.1300, -46.7380



95.7600, -112.5630, 19.0610



123.5260, -7.4730, -2.2330



128.0210, -111.0860, -35.2620



42.5160, -37.0440, -11.4760

Previews

White Background



This preview shows how the YIQ color 83.8650, 146.9380, 46.3140 looks on a white background.

Color Contrast Check

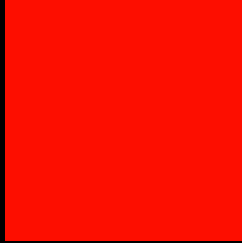
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 83.8650, 146.9380, 46.3140 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 83.8650, 146.9380, 46.3140

Background



This preview shows how black text looks on a background with the YIQ color 83.8650, 146.9380, 46.3140.



This preview shows how white text looks on a background with the YIQ color 83.8650, 146.9380,

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

83.8650, 146.9380, 46.3140

Protanopia

121.9540, 40.0310, -26.1530

Deuteranopia

119.7530, 62.4060, -29.6740



Tritanopia

88.8490, 143.8670, 41.3950

Trichromacy



Original Color

83.8650, 146.9380, 46.3140

Protanomaly

108.4790, 78.9980, 0.0380

Deuteranomaly

107.0260, 93.3950, -2.0690

Tritanomaly

87.0880, 144.6920, 42.9640

Monochromacy



Original Color

83.8650, 146.9380, 46.3140

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

84.4430, 53.4570, 16.8890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.8650, 146.9380, 46.3140 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(253, 14, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 14, 0)  
}
```

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(253, 14, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 14, 0) }
```

Border

The CSS property to change the border of an element to YIQ 83.8650, 146.9380, 46.3140 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(253, 14, 0) }
```


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

```
.border{ border-color:rgb(253, 14, 0) }
```

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

Here you see how a box with a 4 pixel rgb(253, 14, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 14, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 14, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 14, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 83.8650, 146.9380, 46.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 14, 0) }
```

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

```
.background{ background-color: rgb(253, 14,  
0) }
```

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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