

Converting Colors

YIQ(87.6850, 138.4570, 40.3210)

Have a look what the booklet for
YIQ(87.6850, 138.4570, 40.3210)
contains.

YIQ(87.6850, 138.4570, 40.3210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(87.6850, 138.4570,
40.3210)**

Conversions

Conversions Part 1

Format	Color
Hex	F51803
RGB	245, 24, 3
RGB Percent	96%, 9%, 1%
CMY	0.0387, 0.9061, 0.9877
CMYK	0.00, 0.90, 0.99, 0.04
HSL	5°, 97%, 49%
HSV	5°, 99%, 96%
XYZ	38.0438, 20.0923, 1.9634
YIQ	87.6850, 138.4570, 40.3210

Conversions

Conversions Part 2

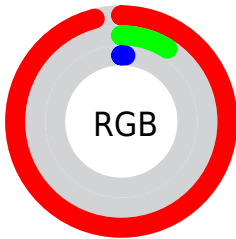
Format	Color
RYB	245, 26, 3
Decimal	16062467
CIELab	51.94, 75.63, 64.69
CIELCh	52, 99.527, 40.543
Yxy	20.0923, 0.6330, 0.3343
Android (android.graphics.Color)	4294252547 (0xFFFF51803)
YUV	87.6850, -41.7497, 137.9653
Hunter-Lab	44.8245, 73.0551, 28.7802

Details

The YIQ color **87.6850, 138.4570, 40.3210** 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 **160.3150, -138.4570, -40.3210**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.7850, 105.2200, 20.4200**, and **53.2220, 106.0880, 37.7360** is the 20% darker color. If you saturate the color by 10%, you get **85.5820, 140.2450, 40.9570**, and if you desaturate by 10%, it is **103.4490, 124.3820, 36.5900**.

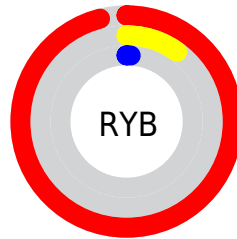
Distribution



Red (96%)

Green (9%)

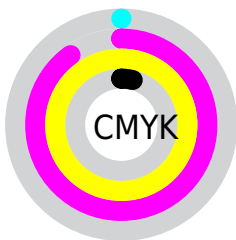
Blue (1%)



Red (96%)

Yellow (10%)

Blue (1%)

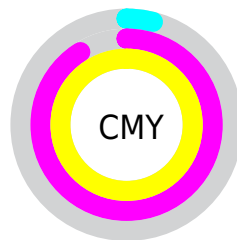


Cyan (0%)

Magenta (90%)

Yellow (99%)

Black (4%)



Cyan (4%)


Magenta (91%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 87.6850, 138.4570, 40.3210 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 87.6850, 138.4570, 40.3210 by changing the saturation by 10% instead.


 87.6850, 138.4570,
40.3210


 87.6850, 138.4570,
40.3210


 254.4300, 1.6050,
-1.5550


 63.0890, 125.7560,
44.7320


 141.7850,
105.2200, 20.4200


 53.2220, 106.0880,
37.7360


 162.9460, 88.3490,
12.2930


 43.3550, 86.4200,
30.7400

 183.4060, 72.0740,
4.3780

 33.9010, 67.0270,
24.2670

 204.0940, 55.1570,
-2.9150

 24.9740, 47.5880,
18.6280

 224.7820, 38.2400,
-10.2080


 15.4770, 29.7540,
11.4340


 245.5840, 21.0020,


 0.0000, 0.0000,


-17.1900

0.0000


 251.1240, 10.9140,
-10.5740

 87.6850, 138.4570,
40.3210

 87.6850, 138.4570,
40.3210


 85.5820, 140.2450,
40.9570

 103.4490,
124.3820, 36.5900

 119.6860,
110.3530, 32.0250

 135.4500, 96.2780,
28.2940

 151.6870, 82.2490,
23.7290

 167.4510, 68.1740,
19.9980

183.1010, 54.4200,
15.9560

199.4520, 40.0700,
11.7020

215.1020, 26.3160,
7.6600

231.4530, 11.9660,
3.4060

Harmonies

Analogous

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



87.5310, 120.2010, 84.8490



87.6850, 138.4570, 40.3210



115.8310, 89.2700, -9.9140

Triad

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



87.6850, 138.4570, 40.3210



97.4660, -62.2520, -61.2600



103.6190, -116.7800, 12.8840

Complementary

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



87.6850, 138.4570, 40.3210



160.3150, -138.4570, -40.3210

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.



116.5330, -122.8300, 1.3780



87.6850, 138.4570, 40.3210



109.6010, -92.2880, -34.5280

Square

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



87.6850, 138.4570, 40.3210



86.2890, -40.4250, -76.8810



118.9490, -118.6100, -9.0260



122.6740, -10.8790, 70.5370

Rectangle

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



87.6850, 138.4570, 40.3210



116.4640, 55.8500, -32.0060



118.9490, -118.6100, -9.0260



108.9020, -119.2550, 8.1770

Sweetspot

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



87.6850, 138.4570, 40.3210



205.2460, 43.6460, 12.9740



100.6660, 72.9700, 120.3460



98.1020, 26.3160, 7.6600



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.



87.6850, 138.4570, 40.3210



89.1590, 145.9300, 42.5540



158.1250, 105.4570, -22.4390



114.1750, 6.8770, 2.0210



65.0060, 106.4560, 31.0640



20.5760, 33.7890, 9.8930

Inverse Universe

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



160.3150, -138.4570, -40.3210



165.8410, -145.9300, -42.5540



89.8750, -105.4570, 22.4390



117.8250, -6.8770, -2.0210



120.9940, -106.4560, -31.0640



38.4240, -33.7890, -9.8930

Previews

White Background



This preview shows how the YIQ color 87.6850, 138.4570, 40.3210 looks on a white background.

Color Contrast Check

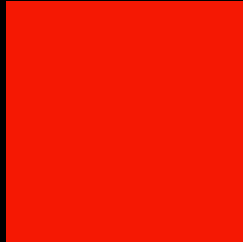
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.6850, 138.4570, 40.3210 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 87.6850, 138.4570, 40.3210

Background



This preview shows how black text looks on a background with the YIQ color 87.6850, 138.4570, 40.3210.



This preview shows how white text looks on a background with the YIQ color 87.6850, 138.4570,

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

87.6850, 138.4570, 40.3210

Protanopia

118.7690, 39.1140, -26.0540

Deuteranopia

116.2090, 61.1220, -28.4300



Tritanopia

88.7110, 135.5680, 43.1200

Trichromacy



Original Color

87.6850, 138.4570, 40.3210

Protanomaly

107.2720, 75.1470, -1.7570

Deuteranomaly

105.9330, 89.2230, -3.5530

Tritanomaly

88.3690, 136.5310, 42.1870

Monochromacy



Original Color

87.6850, 138.4570, 40.3210

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.0080, 50.2480, 14.4720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.6850, 138.4570, 40.3210 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(245, 24, 3)` looks like.

```
.text, #text, p{  
    color:rgb(245, 24, 3)  
}
```

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(245, 24, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 24, 3) }
```

Border

The CSS property to change the border of an element to YIQ 87.6850, 138.4570, 40.3210 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(245, 24, 3) }
```


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

```
.border{ border-color:rgb(245, 24, 3) }
```

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

Here you see how a box with a 4 pixel rgb(245, 24, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 24, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 24, 3);  
box-shadow:4px 4px 4px 4px rgb(245, 24, 3)  
}
```

Background

The CSS property to change the background color of an element to YIQ 87.6850, 138.4570, 40.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 24, 3) }
```

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

```
.background{ background-color: rgb(245, 24,  
3) }
```

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