

Converting Colors

YIQ(87.0550, 140.2910, 40.1230)

Have a look what the booklet for
YIQ(87.0550, 140.2910, 40.1230)
contains.

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Color

**YIQ(87.0550, 140.2910,
40.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	F61700
RGB	246, 23, 0
RGB Percent	96%, 9%, 0%
CMY	0.0348, 0.9100, 0.9994
CMYK	0.00, 0.91, 1.00, 0.03
HSL	6°, 100%, 48%
HSV	6°, 100%, 97%
XYZ	38.3576, 20.2260, 1.8866
YIQ	87.0550, 140.2910, 40.1230

Conversions

Conversions Part 2

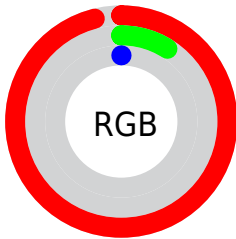
Format	Color
R_{YB}	246, 25, 0
Decimal	16127744
CIE Lab	52.09, 75.99, 65.65
CIE LCh	52, 100.423, 40.822
Yxy	20.2260, 0.6343, 0.3345
Android (android.graphics.Color)	4294317824 (0xFFFF61700)
YUV	87.0550, -42.9181, 139.3948
Hunter-Lab	44.9734, 73.5384, 28.9942

Details

The YIQ color **87.0550, 140.2910, 40.1230** 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 **158.9450, -140.2910, -40.1230**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.5570, 105.8620, 19.7980**, and **53.5210, 106.6840, 37.9480** is the 20% darker color. If you saturate the color by 10%, you get **87.0550, 140.2910, 40.1230**, and if you desaturate by 10%, it is **102.8190, 126.2160, 36.3920**.

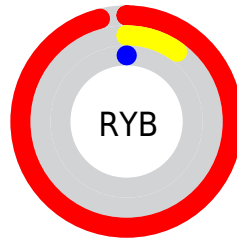
Distribution



Red (96%)

Green (9%)

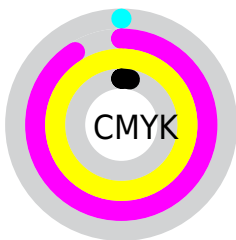
Blue (0%)



Red (96%)

Yellow (10%)

Blue (0%)

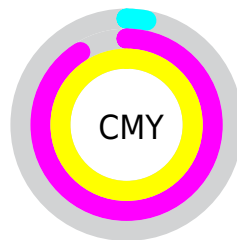


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 87.0550, 140.2910, 40.1230 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 87.0550, 140.2910, 40.1230 by changing the saturation by 10% instead.


 87.0550, 140.2910,
40.1230


 87.0550, 140.2910,
40.1230


 254.2020, 2.2470,
-2.1770


 63.3880, 126.3520,
44.9440


 141.5570,
105.8620, 19.7980


 53.5210, 106.6840,
37.9480


 162.7180, 88.9910,
11.6710


 43.6540, 87.0160,
30.9520


 183.2920, 72.3950,
4.0670

 34.2000, 67.6230,
24.4790

 203.8660, 55.7990,
-3.5370

 25.2730, 48.1840,
18.8400

 224.5540, 38.8820,
-10.8300

 15.4770, 29.7540,
11.4340


 245.3560, 21.6440,


 0.0000, 0.0000,


-17.8120


0.0000


 250.8960, 11.5560,
-11.1960


 87.0550, 140.2910,
40.1230

 102.8190,
126.2160, 36.3920

 119.0560,
112.1870, 31.8270

 134.8200, 98.1120,
28.0960

 150.5840, 84.0370,
24.3650

 166.8210, 70.0080,
19.8000

■ 182.5850, 55.9330,
16.0690

■ 198.2350, 42.1790,
12.0270

■ 214.5860, 27.8290,
7.7730

■ 230.3500, 13.7540,
4.0420

Harmonies

Analogous

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



87.4170, 120.5220, 84.5380



87.0550, 140.2910, 40.1230



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.



87.0550, 140.2910, 40.1230



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.



87.0550, 140.2910, 40.1230



158.9450, -140.2910, -40.1230

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.



117.1200, -123.1050, 0.8550



87.0550, 140.2910, 40.1230



109.8290, -92.9300, -33.9060

Square

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



87.0550, 140.2910, 40.1230



86.2890, -40.4250, -76.8810



119.1770, -119.2520, -8.4040



122.6850, -9.4120, 71.4840

Rectangle

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



87.0550, 140.2910, 40.1230



116.4640, 55.8500, -32.0060



119.1770, -119.2520, -8.4040



109.4890, -119.5300, 7.6540

Sweetspot

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



87.0550, 140.2910, 40.1230



205.8330, 43.3710, 12.4510



99.3180, 74.0700, 122.4380



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.



87.0550, 140.2910, 40.1230



90.3330, 145.3800, 41.5080



158.0820, 107.0160, -23.1600



114.1750, 6.8770, 2.0210



65.5930, 106.1810, 30.5410



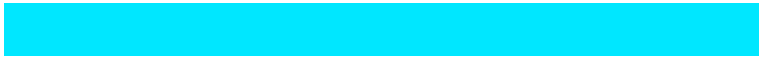
20.5760, 33.7890, 9.8930

Inverse Universe

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



158.9450, -140.2910, -40.1230



164.6670, -145.3800, -41.5080



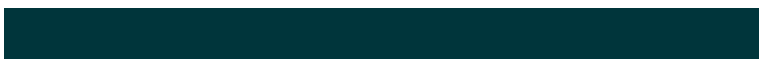
88.5050, -107.2910, 22.6370



117.8250, -6.8770, -2.0210



120.4070, -106.1810, -30.5410



37.8370, -33.5140, -9.3700

Previews

White Background



This preview shows how the YIQ color 87.0550, 140.2910, 40.1230 looks on a white background.

Color Contrast Check

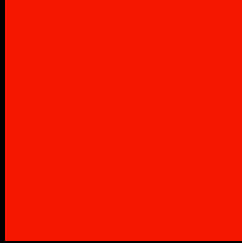
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.0550, 140.2910, 40.1230 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 87.0550, 140.2910, 40.1230

Background



This preview shows how black text looks on a background with the YIQ color 87.0550, 140.2910, 40.1230.



This preview shows how white text looks on a background with the YIQ color 87.0550, 140.2910,

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

87.0550, 140.2910, 40.1230

Protanopia

119.0680, 39.7100, -25.8420

Deuteranopia

117.0950, 61.4430, -28.7410



Tritanopia

88.0810, 137.4020, 42.9220

Trichromacy



Original Color

87.0550, 140.2910, 40.1230

Protanomaly

107.4570, 76.0640, -1.8560

Deuteranomaly

106.1180, 90.1400, -3.6520

Tritanomaly

87.7390, 138.3650, 41.9890

Monochromacy



Original Color

87.0550, 140.2910, 40.1230

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.1930, 51.1650, 14.3730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.0550, 140.2910, 40.1230 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(246, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 23, 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(246, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 23, 0) }
```

Border

The CSS property to change the border of an element to YIQ 87.0550, 140.2910, 40.1230 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(246, 23, 0) }
```


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

```
.border{ border-color:rgb(246, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 23, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 87.0550, 140.2910, 40.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 23, 0) }
```

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

```
.background{ background-color: rgb(246, 23,  
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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