

Converting Colors

YIQ(87.3100, 135.0190, 36.5470)

Have a look what the booklet for
YIQ(87.3100, 135.0190, 36.5470)
contains.

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Color

**YIQ(87.3100, 135.0190,
36.5470)**

Conversions

Conversions Part 1

Format	Color
Hex	EF1B00
RGB	239, 27, 0
RGB Percent	94%, 11%, 0%
CMY	0.0623, 0.8943, 0.9994
CMYK	0.00, 0.89, 1.00, 0.06
HSL	7°, 100%, 47%
HSV	7°, 100%, 94%
XYZ	36.0293, 19.1525, 1.8019
YIQ	87.3100, 135.0190, 36.5470

Conversions

Conversions Part 2

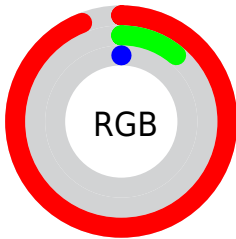
Format	Color
RYB	239, 30, 0
Decimal	15670016
CIELab	50.87, 73.65, 64.32
CIELCh	51, 97.781, 41.130
Yxy	19.1525, 0.6323, 0.3361
Android (android.graphics.Color)	4293860096 (0xFFEF1B00)
YUV	87.3100, -43.0438, 133.0321
Hunter-Lab	43.7635, 70.3678, 28.1933

Details

The YIQ color **87.3100, 135.0190, 36.5470** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **151.6900, -135.0190, -36.5470**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.5570, 105.8620, 19.7980**, and **51.4280, 102.5120, 36.4640** is the 20% darker color. If you saturate the color by 10%, you get **87.3100, 135.0190, 36.5470**, and if you desaturate by 10%, it is **102.3730, 121.5400, 33.0280**.

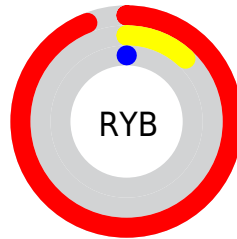
Distribution



Red (94%)

Green (11%)

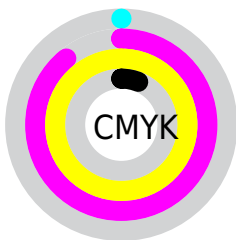
Blue (0%)



Red (94%)

Yellow (12%)

Blue (0%)

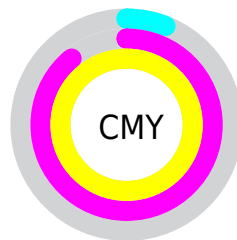


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 87.3100, 135.0190, 36.5470 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 87.3100, 135.0190, 36.5470 by changing the saturation by 10% instead.


 87.3100, 135.0190,
36.5470


 87.3100, 135.0190,
36.5470


 254.0880, 2.5680,
-2.4880


 61.5940, 122.7760,
43.6720


 141.5570,
105.8620, 19.7980


 51.4280, 102.5120,
36.4640


 162.6040, 89.3120,
11.3600


 41.8600, 83.4400,
29.6800


 182.5910, 72.9910,
4.2790

 32.1070, 63.4510,
22.9950

 203.2790, 56.0740,
-3.0140

 23.7780, 45.2040,
17.7800

 223.9670, 39.1570,
-10.3070

 13.9820, 26.7740,
10.3740


 244.6550, 22.2400,


 0.0000, 0.0000,


-17.6000


0.0000


 250.8960, 11.5560,
-11.1960


 87.3100, 135.0190,
36.5470

 102.3730,
121.5400, 33.0280

 117.4360,
108.0610, 29.5090

 133.0860, 94.3070,
25.4670

 148.1490, 80.8280,
21.9480

 163.2120, 67.3490,
18.4290

■ 178.2750, 53.8700,
14.9100

■ 193.9250, 40.1160,
10.8680

■ 208.8740, 26.9580,
7.0380

■ 223.9370, 13.4790,
3.5190

Harmonies

Analogous

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



87.0750, 121.4850, 83.6050



87.3100, 135.0190, 36.5470



112.8630, 86.2440, -10.1400

Triad

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



87.3100, 135.0190, 36.5470



95.7050, -61.4270, -59.6910



101.2710, -115.6800, 14.9760

Complementary

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



87.3100, 135.0190, 36.5470



151.6900, -135.0190, -36.5470

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.



114.7720, -122.0050, 2.9470



87.3100, 135.0190, 36.5470



107.0250, -90.5460, -33.0580

Square

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



87.3100, 135.0190, 36.5470



84.5280, -39.6000, -75.3120



116.1450, -116.2260, -8.1780



119.9300, -8.7240, 70.0280

Rectangle

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



87.3100, 135.0190, 36.5470



113.7950, 53.4200, -32.0200



116.1450, -116.2260, -8.1780



107.1410, -118.4300, 9.7460

Sweetspot

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



87.3100, 135.0190, 36.5470



206.4200, 43.0960, 11.9280



95.9710, 73.4290, 117.5330



98.6890, 26.0410, 7.1370



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.



87.3100, 135.0190, 36.5470



93.2680, 144.0050, 38.8930



155.9890, 102.8440, -24.6440



112.1750, 6.8770, 2.0210



67.3430, 103.8890, 28.0250



20.2660, 31.7260, 8.7340

Inverse Universe

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



151.6900, -135.0190, -36.5470



161.7320, -144.0050, -38.8930



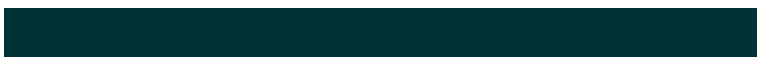
83.5980, -103.1190, 24.1210



115.8250, -6.8770, -2.0210



116.6570, -103.8890, -28.0250



35.7340, -31.7260, -8.7340

Previews

White Background



This preview shows how the YIQ color 87.3100, 135.0190, 36.5470 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 87.3100, 135.0190, 36.5470 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 87.3100, 135.0190, 36.5470

Background



This preview shows how black text looks on a background with the YIQ color 87.3100, 135.0190, 36.5470.



This preview shows how white text looks on a background with the YIQ color 87.3100, 135.0190,

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

87.3100, 135.0190, 36.5470

Protanopia

115.9970, 38.4720, -25.4320

Deuteranopia

114.1380, 59.8840, -28.0200



Tritanopia

88.7750, 129.5160, 42.6680

Trichromacy



Original Color

87.3100, 135.0190, 36.5470

Protanomaly

105.2610, 73.6800, -2.7040

Deuteranomaly

104.6230, 87.1600, -4.7120

Tritanomaly

88.0910, 131.4420, 40.8020

Monochromacy



Original Color

87.3100, 135.0190, 36.5470

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.8830, 49.1020, 13.2140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.3100, 135.0190, 36.5470 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(239, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 27, 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(239, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 27, 0) }
```

Border

The CSS property to change the border of an element to YIQ 87.3100, 135.0190, 36.5470 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(239, 27, 0) }
```


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

```
.border{ border-color:rgb(239, 27, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 27, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 87.3100, 135.0190, 36.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 27, 0) }
```

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

```
.background{ background-color: rgb(239, 27,  
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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