

# Converting Colors

YIQ(86.7870, 130.3830, 65.5110)

Have a look what the booklet for  
YIQ(86.7870, 130.3830, 65.5110)  
contains.

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# Color

**YIQ(86.7870, 130.3830,  
65.5110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC0936
RGB	252, 9, 54
RGB Percent	99%, 4%, 21%
CMY	0.0112, 0.9648, 0.7878
CMYK	0.00, 0.96, 0.79, 0.01
HSL	349°, 98%, 51%
HSV	349°, 96%, 99%
XYZ	40.9662, 21.1850, 5.4352
YIQ	86.7870, 130.3830, 65.5110

# Conversions

## Conversions Part 2

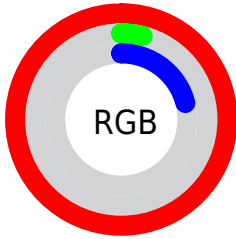
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 9, 54
Decimal	16517430
CIE Lab	53.15, 79.62, 45.59
CIE LCh	53, 91.748, 29.793
Yxy	21.1850, 0.6061, 0.3135
Android (android.graphics.Color)	4294707510 (0xFFFC0936)
YUV	86.7870, -16.1640, 144.8918
Hunter-Lab	46.0271, 78.3255, 25.2177

# Details

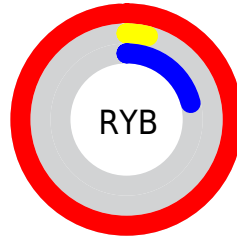
The YIQ color **86.7870, 130.3830, 65.5110** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **174.2130, -130.3830, -65.5110**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.2850, 92.6090, 34.2170**, and **56.8680, 107.3250, 42.8530** is the 20% darker color. If you saturate the color by 10%, you get **80.7060, 135.1050, 68.0410**, and if you desaturate by 10%, it is **103.8560, 116.7670, 58.9670**.

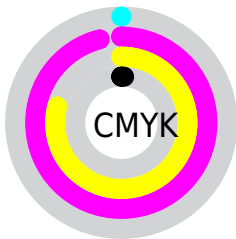
# Distribution



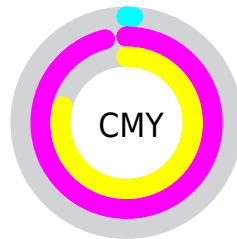
- Red (99%)
- Green (4%)
- Blue (21%)



- Red (99%)
- Yellow (4%)
- Blue (21%)



- Cyan (0%)
- Magenta (96%)
- Yellow (79%)
- Black (1%)




- Cyan (1%)
- Magenta (96%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.7870, 130.3830, 65.5110 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 86.7870, 130.3830, 65.5110 by changing the saturation by 10% instead.





 86.7870, 130.3830,  
65.5110


 86.7870, 130.3830,  
65.5110


255.0000, -0.0000,  
-0.0000


 69.1290, 120.2520,  
56.3800


 145.3990, 92.2880,  
34.5280


 56.9820, 107.0040,  
43.1640


 167.0330, 75.4630,  
25.5670

 45.7470, 91.1880,  
32.4360


 187.6070, 58.8670,  
17.9630

 35.9940, 71.1990,  
25.7510

 208.8820, 41.6750,  
10.1470

 27.0670, 51.7600,  
20.1120

 229.5700, 24.7580,  
2.8540

 17.2710, 33.3300,  
12.7060

 250.4860, 7.1990,

 5.0830, 10.1320,

-3.8170

3.6040

■ 0.0000, 0.0000,  
0.0000

■ 86.7870, 130.3830,  
65.5110

■ 86.7870, 130.3830,  
65.5110

■ 80.7060, 135.1050,  
68.0410

■ 103.8560,  
116.7670, 58.9670

■ 120.8110,  
103.4720, 52.1120

■ 138.4670, 89.5810,  
45.0450

■ 155.4220, 76.2860,  
38.1900

■ 172.4910, 62.6700,  
31.6460

■ 189.4460, 49.3750,  
24.7910

■ 206.5150, 35.7590,  
18.2470

■ 224.0570, 22.1890,  
10.8690

■ 241.1260, 8.5730,  
4.3250

# Harmonies

## Analogous

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



91.1790, 109.9290, 94.8010



86.7870, 130.3830, 65.5110



115.6420, 103.3440, -0.6560

# Triad

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



86.7870, 130.3830, 65.5110



94.5020, -53.9060, -69.3460



110.0760, -119.8050, 7.1310

# Complementary

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



86.7870, 130.3830, 65.5110



174.2130, -130.3830, -65.5110

# 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.



119.4680, -124.2050, -1.2370



86.7870, 130.3830, 65.5110



106.8820, -83.2540, -44.0700

# Square

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



86.7870, 130.3830, 65.5110



106.3550, 3.9080, -59.8360



116.5890, -109.2090, -19.7130



122.6870, -48.4250, 46.1270



# Rectangle

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



86.7870, 130.3830, 65.5110



119.8410, 74.1420, -22.0980



116.5890, -109.2090, -19.7130



114.1850, -121.7300, 3.4700

# Sweetspot

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



86.7870, 130.3830, 65.5110



204.7220, 39.6100, 20.0420



95.0070, 38.2170, 116.9130



97.3670, 24.2520, 12.0280



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.



86.7870, 130.3830, 65.5110



81.6030, 136.8930, 68.6770



124.5080, 124.7530, 13.3370



116.2290, 6.7850, 3.6890



60.5010, 101.4090, 50.9530



19.4930, 32.8250, 16.3530



# Inverse Universe

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



86.7870, 130.3830, 65.5110



81.6030, 136.8930, 68.6770



136.4920, -124.7530, -13.3370



116.2290, 6.7850, 3.6890



60.5010, 101.4090, 50.9530



19.4930, 32.8250, 16.3530



# Previews

## White Background



This preview shows how the YIQ color 86.7870, 130.3830, 65.5110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

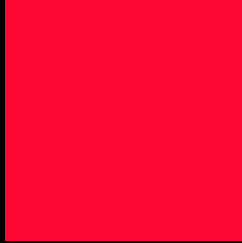
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 86.7870, 130.3830, 65.5110 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 86.7870, 130.3830, 65.5110

## Background



This preview shows how black text looks on a background with the YIQ color 86.7870, 130.3830, 65.5110.



This preview shows how white text looks on a background with the YIQ color 86.7870, 130.3830,



# 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

86.7870, 130.3830, 65.5110

### Protanopia

126.1590, 21.0010, -11.6630

### Deuteranopia

123.3840, 50.8040, -17.6440



## Tritanopia

90.6900, 140.0610, 44.2930

# Trichromacy



## Original Color

86.7870, 130.3830, 65.5110

## Protanomaly

111.9230, 60.7930, 16.0970

## Deuteranomaly

109.8680, 79.8210, 12.6610

## Tritanomaly

89.5790, 136.3000, 51.8840

# Monochromacy



## Original Color

86.7870, 130.3830, 65.5110

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

87.1360, 47.3120, 23.6320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.7870, 130.3830, 65.5110 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(252, 9, 54)` looks like.

```
.text, #text, p{  
    color:rgb(252, 9, 54)  
}
```

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(252, 9, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 9, 54) }
```

## Border

The CSS property to change the border of an element to YIQ 86.7870, 130.3830, 65.5110 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(252, 9, 54) }
```



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

```
.border{ border-color:rgb(252, 9, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 9, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 9, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 9, 54);  
box-shadow:4px 4px 4px 4px rgb(252, 9, 54)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 86.7870, 130.3830, 65.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 9, 54) }
```

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

```
.background{ background-color: rgb(252, 9,  
54) }
```

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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