

Converting Colors

YIQ(86.5050, 121.9490, 53.1570)

Have a look what the booklet for
YIQ(86.5050, 121.9490, 53.1570)
contains.

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Color

**YIQ(86.5050, 121.9490,
53.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	EC132A
RGB	236, 19, 42
RGB Percent	93%, 7%, 16%
CMY	0.0740, 0.9257, 0.8348
CMYK	0.00, 0.92, 0.82, 0.07
HSL	354°, 85%, 50%
HSV	354°, 92%, 93%
XYZ	35.2884, 18.4867, 3.9100
YIQ	86.5050, 121.9490, 53.1570

Conversions

Conversions Part 2

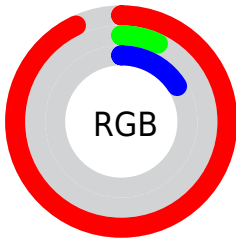
Format	Color
R _Y B	236, 19, 42
Decimal	15471402
CIE Lab	50.08, 74.53, 47.95
CIE LCh	50, 88.623, 32.755
Yxy	18.4867, 0.6117, 0.3205
Android (android.graphics.Color)	4293661482 (0xFFEC132A)
YUV	86.5050, -21.9410, 131.1071
Hunter-Lab	42.9962, 71.2576, 24.7055

Details

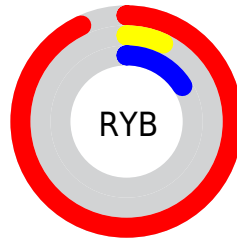
The YIQ color **86.5050, 121.9490, 53.1570** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **168.4950, -121.9490, -53.1570**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.3300, 96.7360, 31.0080**, and **50.8300, 101.3200, 36.0400** is the 20% darker color. If you saturate the color by 10%, you get **73.4140, 132.6310, 57.8070**, and if you desaturate by 10%, it is **102.9870, 108.6080, 47.1360**.

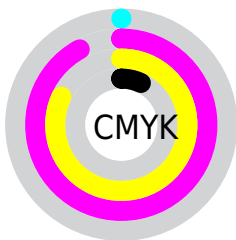
Distribution



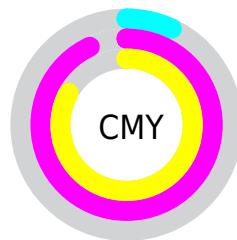
- Red (93%)
- Green (7%)
- Blue (16%)



- Red (93%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (92%)
- Yellow (82%)
- Black (7%)





- Cyan (7%)
- Magenta (93%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 86.5050, 121.9490, 53.1570 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 86.5050, 121.9490, 53.1570 by changing the saturation by 10% instead.


 86.5050, 121.9490,
53.1570

 86.5050, 121.9490,
53.1570


255.0000, -0.0000,
-0.0000


 62.9770, 114.5680,
49.2560


 143.3300, 96.7360,
31.0080


 50.8300, 101.3200,
36.0400


 164.3770, 80.1860,
22.5700


 41.2620, 82.2480,
29.2560


 184.9510, 63.5900,
14.9660

 31.8080, 62.8550,
22.7830

 205.5250, 46.9940,
7.3620

 23.1800, 44.0120,
17.3560

 225.7400, 30.0310,
0.9030

 13.2700, 25.9030,
9.6390

 247.1290, 12.5180,

 0.0000, 0.0000,

-6.6020

0.0000

254.4300, 1.6050,
-1.5550

■ 86.5050, 121.9490,
53.1570

■ 86.5050, 121.9490,
53.1570

■ 73.4140, 132.6310,
57.8070

■ 102.9870,
108.6080, 47.1360

■ 118.8820, 95.5420,
41.6380

■ 135.3640, 82.2010,
35.6170

■ 151.2590, 69.1350,
30.1190

■ 167.8550, 55.4730,
24.4090

■ 184.3370, 42.1320,
18.3880

■ 200.2320, 29.0660,
12.8900

■ 216.7140, 15.7250,
6.8690

■ 232.6090, 2.6590,
1.3710

Harmonies

Analogous

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



86.1800, 108.1880, 87.8040



86.5050, 121.9490, 53.1570



109.6840, 94.3580, -3.0020

Triad

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



86.5050, 121.9490, 53.1570



89.9030, -53.3570, -62.7730



104.2060, -117.0550, 12.3610

Complementary

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



86.5050, 121.9490, 53.1570



168.4950, -121.9490, -53.1570

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.



113.5980, -121.4550, 3.9930



86.5050, 121.9490, 53.1570



101.5990, -80.7790, -39.3630

Square

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



86.5050, 121.9490, 53.1570



97.1630, -4.2990, -59.7790



110.2630, -105.1750, -15.7270



117.5360, -37.5140, 52.1340

Rectangle

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



86.5050, 121.9490, 53.1570



112.7090, 65.7060, -23.3980



110.2630, -105.1750, -15.7270



108.3150, -118.9800, 8.7000

Sweetspot

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



86.5050, 121.9490, 53.1570



206.0270, 40.0690, 17.2290



101.1460, 44.7750, 108.1910



97.7260, 24.6190, 10.8830



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.



86.5050, 121.9490, 53.1570



79.3230, 143.3130, 62.4570



132.6040, 106.5070, 2.5950



109.4030, 6.2350, 2.6430



56.2850, 101.7770, 44.2810



16.8300, 30.2580, 13.3140

Inverse Universe

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



86.5050, 121.9490, 53.1570



79.3230, 143.3130, 62.4570



122.3960, -106.5070, -2.5950



109.4030, 6.2350, 2.6430



56.2850, 101.7770, 44.2810



16.8300, 30.2580, 13.3140

Previews

White Background



This preview shows how the YIQ color 86.5050, 121.9490, 53.1570 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 86.5050, 121.9490, 53.1570 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 86.5050, 121.9490, 53.1570

Background



This preview shows how black text looks on a background with the YIQ color 86.5050, 121.9490, 53.1570.



This preview shows how white text looks on a background with the YIQ color 86.5050, 121.9490,

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

86.5050, 121.9490, 53.1570

Protanopia

117.4320, 24.4860, -14.2500

Deuteranopia

114.7600, 52.5010, -20.8670



Tritanopia

87.0630, 128.6450, 41.9330

Trichromacy



Original Color

86.5050, 121.9490, 53.1570

Protanomaly

106.0490, 60.1980, 10.3580

Deuteranomaly

104.3960, 78.0340, 6.4980

Tritanomaly

86.9150, 126.3060, 45.7780

Monochromacy



Original Color

86.5050, 121.9490, 53.1570

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.6470, 44.1950, 19.5470

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.5050, 121.9490, 53.1570 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(236, 19, 42)` looks like.

```
.text, #text, p{  
    color:rgb(236, 19, 42)  
}
```

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(236, 19, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 19, 42) }
```

Border

The CSS property to change the border of an element to YIQ 86.5050, 121.9490, 53.1570 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(236, 19, 42) }
```


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

```
.border{ border-color:rgb(236, 19, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 19, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 19, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 19, 42);  
box-shadow:4px 4px 4px 4px rgb(236, 19,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 86.5050, 121.9490, 53.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 19, 42) }
```

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

```
.background{ background-color: rgb(236, 19,  
42) }
```

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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