

Converting Colors

YIQ(87.2490, 119.7940, 53.6660)

Have a look what the booklet for
YIQ(87.2490, 119.7940, 53.6660)
contains.

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Color

**YIQ(87.2490, 119.7940,
53.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	EB142E
RGB	235, 20, 46
RGB Percent	92%, 8%, 18%
CMY	0.0779, 0.9218, 0.8192
CMYK	0.00, 0.92, 0.80, 0.08
HSL	353°, 84%, 50%
HSV	353°, 92%, 92%
XYZ	35.0494, 18.3804, 4.2972
YIQ	87.2490, 119.7940, 53.6660

Conversions

Conversions Part 2

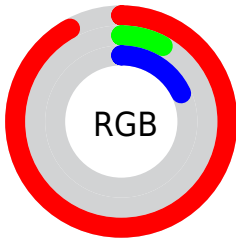
Format	Color
R_{YB}	235, 20, 46
Decimal	15406126
CIE Lab	49.95, 74.27, 45.62
CIE LCh	50, 87.158, 31.562
Yxy	18.3804, 0.6072, 0.3184
Android (android.graphics.Color)	4293596206 (0xFFEB142E)
YUV	87.2490, -20.3358, 129.5776
Hunter-Lab	42.8724, 70.9023, 24.0678

Details

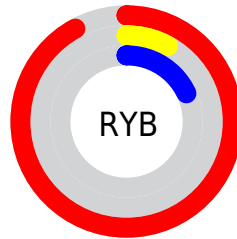
The YIQ color **87.2490, 119.7940, 53.6660** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **167.7510, -119.7940, -53.6660**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.3730, 95.1770, 31.7290**, and **50.9440, 100.9990, 36.3510** is the 20% darker color. If you saturate the color by 10%, you get **73.5710, 130.7510, 58.8390**, and if you desaturate by 10%, it is **103.1440, 106.7280, 48.1680**.

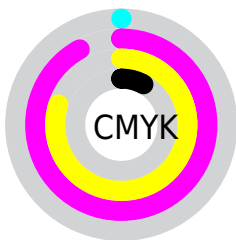
Distribution



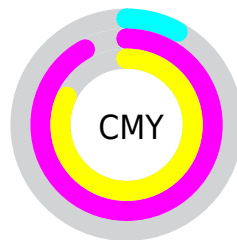
- Red (92%)
- Green (8%)
- Blue (18%)



- Red (92%)
- Yellow (8%)
- Blue (18%)



- Cyan (0%)
- Magenta (92%)
- Yellow (80%)
- Black (8%)





- Cyan (8%)
- Magenta (92%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.2490, 119.7940, 53.6660 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 87.2490, 119.7940, 53.6660 by changing the saturation by 10% instead.


 87.2490, 119.7940,
53.6660


 87.2490, 119.7940,
53.6660


255.0000, -0.0000,
-0.0000


 63.1340, 112.6880,
50.2880


 144.3730, 95.1770,
31.7290


 50.9440, 100.9990,
36.3510


 164.8330, 78.9020,
23.8140


 40.9630, 81.6520,
29.0440


 185.4070, 62.3060,
16.2100

 31.5090, 62.2590,
22.5710

 206.0950, 45.3890,
8.9170

 23.1800, 44.0120,
17.3560

 226.7830, 28.4720,
1.6240

 12.9710, 25.3070,
9.4270

 247.5850, 11.2340,

 0.0000, 0.0000,

-5.3580

0.0000

■ 87.2490, 119.7940,
53.6660

■ 87.2490, 119.7940,
53.6660

■ 73.5710, 130.7510,
58.8390

■ 103.1440,
106.7280, 48.1680

■ 119.5120, 93.7080,
41.8360

■ 135.4070, 80.6420,
36.3380

■ 151.8890, 67.3010,
30.3170

■ 168.2570, 54.2810,
23.9850

■ 184.1520, 41.2150,
18.4870

■ 200.6340, 27.8740,
12.4660

■ 216.4150, 15.1290,
6.6570

■ 232.8970, 1.7880,
0.6360

Harmonies

Analogous

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



85.8100, 106.3540, 88.0020



87.2490, 119.7940, 53.6660



109.0970, 94.6330, -2.4790

Triad

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



87.2490, 119.7940, 53.6660



88.9740, -52.1190, -63.1830



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.



87.2490, 119.7940, 53.6660



167.7510, -119.7940, -53.6660

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.



113.1420, -120.1710, 2.7490



87.2490, 119.7940, 53.6660



100.6700, -79.5410, -39.7730

Square

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



87.2490, 119.7940, 53.6660



98.3700, -0.4480, -57.9840



109.6930, -103.5700, -17.2820



117.1010, -40.7230, 49.7170

Rectangle

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



87.2490, 119.7940, 53.6660



112.4210, 66.5770, -22.6630



109.6930, -103.5700, -17.2820



108.3150, -118.9800, 8.7000

Sweetspot

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



87.2490, 119.7940, 53.6660



207.6570, 38.2350, 17.4270



100.1240, 41.8410, 106.2970



99.8290, 22.8310, 10.2470



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.



87.2490, 119.7940, 53.6660



79.7790, 142.0290, 63.7010



130.6580, 106.4150, 4.2630



109.4030, 6.2350, 2.6430



56.6270, 100.8140, 45.2140



16.9440, 29.9370, 13.6250

Inverse Universe

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



87.2490, 119.7940, 53.6660



79.7790, 142.0290, 63.7010



124.3420, -106.4150, -4.2630



109.4030, 6.2350, 2.6430



56.6270, 100.8140, 45.2140



16.9440, 29.9370, 13.6250

Previews

White Background



This preview shows how the YIQ color 87.2490, 119.7940, 53.6660 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 87.2490, 119.7940, 53.6660 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 87.2490, 119.7940, 53.6660

Background



This preview shows how black text looks on a background with the YIQ color 87.2490, 119.7940, 53.6660.



This preview shows how white text looks on a background with the YIQ color 87.2490, 119.7940,

53.6660.

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

87.2490, 119.7940, 53.6660

Protanopia

117.7030, 22.2850, -12.9070

Deuteranopia

115.2590, 49.6580, -18.9020



Tritanopia

87.6930, 126.8110, 42.1310

Trichromacy



Original Color

87.2490, 119.7940, 53.6660

Protanomaly

106.9070, 57.7220, 11.1780

Deuteranomaly

105.3680, 75.2370, 7.6290

Tritanomaly

87.6590, 124.1510, 46.2870

Monochromacy



Original Color

87.2490, 119.7940, 53.6660

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.3480, 43.5990, 19.3350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.2490, 119.7940, 53.6660 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(235, 20, 46)` looks like.

```
.text, #text, p{  
    color:rgb(235, 20, 46)  
}
```

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(235, 20, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 20, 46) }
```

Border

The CSS property to change the border of an element to YIQ 87.2490, 119.7940, 53.6660 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(235, 20, 46) }
```


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

```
.border{ border-color:rgb(235, 20, 46) }
```

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

Here you see how a box with a 4 pixel rgb(235, 20, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 20, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 20, 46);  
box-shadow:4px 4px 4px 4px rgb(235, 20,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 87.2490, 119.7940, 53.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 20, 46) }
```

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

```
.background{ background-color: rgb(235, 20,  
46) }
```

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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