

Converting Colors

YIQ(94.6640, 116.5870, 40.1950)

Have a look what the booklet for
YIQ(94.6640, 116.5870, 40.1950)
contains.

YIQ(94.6640, 116.5870, 40.1950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(94.6640, 116.5870,
40.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	E72522
RGB	231, 37, 34
RGB Percent	91%, 15%, 13%
CMY	0.0937, 0.8551, 0.8662
CMYK	0.00, 0.84, 0.85, 0.09
HSL	1°, 80%, 52%
HSV	1°, 85%, 91%
XYZ	33.9423, 18.4427, 3.2932
YIQ	94.6640, 116.5870, 40.1950

Conversions

Conversions Part 2

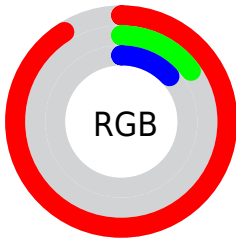
Format	Color
RYB	231, 37, 34
Decimal	15148322
CIELab	50.03, 70.13, 51.53
CIElCh	50, 87.025, 36.308
Yxy	18.4427, 0.6096, 0.3312
Android (android.graphics.Color)	4293338402 (0xFFE72522)
YUV	94.6640, -29.9074, 119.5667
Hunter-Lab	42.9449, 65.9271, 25.5149

Details

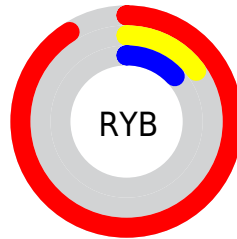
The YIQ color **94.6640, 116.5870, 40.1950** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **170.3360, -116.5870, -40.1950**, and the grayscale version is **95.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.6410, 97.0580, 25.1700**, and **49.6340, 98.9360, 35.1920** is the 20% darker color. If you saturate the color by 10%, you get **78.5410, 130.2950, 45.0710**, and if you desaturate by 10%, it is **110.7870, 102.8790, 35.3190**.

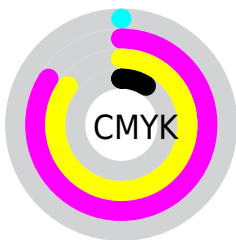
Distribution



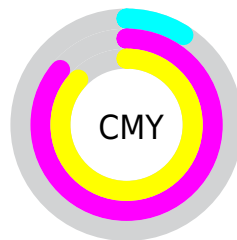
- Red (91%)
- Green (15%)
- Blue (13%)



- Red (91%)
- Yellow (15%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (85%)
- Black (9%)





- Cyan (9%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 94.6640, 116.5870, 40.1950 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 94.6640, 116.5870, 40.1950 by changing the saturation by 10% instead.


 94.6640, 116.5870,
40.1950


 94.6640, 116.5870,
40.1950


255.0000, -0.0000,
-0.0000


 60.3420, 114.7980,
45.0860


 146.6410, 97.0580,
25.1700


 49.6340, 98.9360,
35.1920


 167.1010, 80.7830,
17.2550


 39.7670, 79.2680,
28.1960


 186.9740, 64.7830,
9.8630

 30.6120, 60.4710,
21.9350

 207.0750, 48.1410,
3.0930

 22.2830, 42.2240,
16.7200

 227.7630, 31.2240,
-4.2000

 12.0740, 23.5190,
8.7910

 248.5650, 13.9860,

 0.0000, 0.0000,

-11.1820

0.0000

253.6320, 3.8520,
-3.7320

94.6640, 116.5870,
40.1950

94.6640, 116.5870,
40.1950

78.5410, 130.2950,
45.0710

110.7870,
102.8790, 35.3190

70.8300, 136.8510,
47.4030

126.9100, 89.1710,
30.4430

142.4460, 75.7380,
26.0900

158.6830, 61.7090,
21.5250

174.8060, 48.0010,
16.6490

■ 190.9290, 34.2930,
11.7730

■ 206.4650, 20.8600,
7.4200

■ 222.5880, 7.1520,
2.5440

■ 238.7110, -6.5560,
-2.3320

Harmonies

Analogous

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



84.8550, 110.4810, 84.7930



94.6640, 116.5870, 40.1950



110.5260, 88.8110, -7.1010

Triad

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



94.6640, 116.5870, 40.1950



91.8580, -57.4840, -59.5640



102.4450, -116.2300, 13.9300

Complementary

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



94.6640, 116.5870, 40.1950



170.3360, -116.5870, -40.1950

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.



112.4240, -120.9050, 5.0390



94.6640, 116.5870, 40.1950



102.6250, -83.6680, -36.5640

Square

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



94.6640, 116.5870, 40.1950



93.5640, -12.9180, -63.2700



110.9470, -107.1010, -13.8610



119.6580, -23.1180, 55.5540

Rectangle

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



94.6640, 116.5870, 40.1950



112.0780, 60.1130, -26.6630



110.9470, -107.1010, -13.8610



106.5540, -118.1550, 10.2690

Sweetspot

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



94.6640, 116.5870, 40.1950



209.3210, 39.0610, 13.4690



115.3610, 54.1750, 103.0310



100.5470, 23.5650, 7.9570



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.



94.6640, 116.5870, 40.1950



78.5930, 150.8800, 51.9680



151.0160, 90.1870, -10.0130



106.5880, 7.1520, 2.5440



55.2820, 105.8590, 36.3790



15.8360, 30.1210, 10.2890

Inverse Universe

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



170.3360, -116.5870, -40.1950



176.4070, -150.8800, -51.9680



114.5710, -90.4620, 9.4900



111.4120, -7.1520, -2.5440



123.7180, -105.8590, -36.3790



35.1640, -30.1210, -10.2890

Previews

White Background



This preview shows how the YIQ color 94.6640, 116.5870, 40.1950 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 94.6640, 116.5870, 40.1950 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 94.6640, 116.5870, 40.1950

Background



This preview shows how black text looks on a background with the YIQ color 94.6640, 116.5870, 40.1950.



This preview shows how white text looks on a background with the YIQ color 94.6640, 116.5870,

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

94.6640, 116.5870, 40.1950

Protanopia

116.3630, 28.9340, -17.7700

Deuteranopia

112.0670, 58.6460, -27.6100



Tritanopia

94.7780, 116.2660, 40.5060

Trichromacy



Original Color

94.6640, 116.5870, 40.1950

Protanomaly

108.7190, 60.8870, 3.3750

Deuteranomaly

105.6700, 79.7780, -3.0860

Tritanomaly

94.7780, 116.2660, 40.5060

Monochromacy



Original Color

94.6640, 116.5870, 40.1950

Achromatopsia

95.0000, -0.0000, -0.0000

Achromatomaly

94.8160, 42.0410, 14.5290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 94.6640, 116.5870, 40.1950 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(231, 37, 34)` looks like.

```
.text, #text, p{  
    color:rgb(231, 37, 34)  
}
```

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(231, 37, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 37, 34) }
```

Border

The CSS property to change the border of an element to YIQ 94.6640, 116.5870, 40.1950 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(231, 37, 34) }
```


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

```
.border{ border-color:rgb(231, 37, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 37, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 37, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 37, 34);  
box-shadow:4px 4px 4px 4px rgb(231, 37,  
34) }
```

Background

The CSS property to change the background color of an element to YIQ 94.6640, 116.5870, 40.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 37, 34) }
```

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

```
.background{ background-color: rgb(231, 37,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor