

Converting Colors

YIQ(89.9620, 38.6940, 14.6140)

Have a look what the booklet for
YIQ(89.9620, 38.6940, 14.6140)
contains.

YIQ(89.9620, 38.6940, 14.6140)	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(89.9620, 38.6940,
14.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	884648
RGB	136, 70, 72
RGB Percent	53%, 27%, 28%
CMY	0.4665, 0.7256, 0.7175
CMYK	0.00, 0.49, 0.47, 0.47
HSL	358°, 32%, 40%
HSV	358°, 49%, 53%
XYZ	13.5193, 10.0829, 7.3712
YIQ	89.9620, 38.6940, 14.6140

Conversions

Conversions Part 2

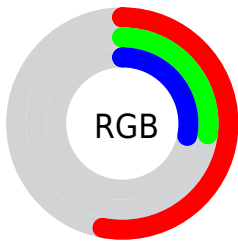
Format	Color
R_{YB}	136, 70, 72
Decimal	8930888
CIE Lab	37.99, 28.28, 11.58
CIE LCh	38, 30.559, 22.258
Yxy	10.0829, 0.4365, 0.3255
Android (android.graphics.Color)	4287120968 (0xFF884648)
YUV	89.9620, -8.8553, 40.3753
Hunter-Lab	31.7535, 20.4290, 8.4641

Details

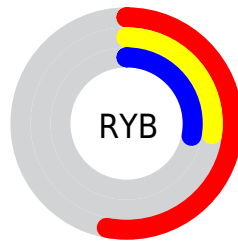
The YIQ color **89.9620, 38.6940, 14.6140** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **116.0380, -38.6940, -14.6140**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.5280, 42.9120, 15.2640**, and **41.6240, 33.8340, 14.5860** is the 20% darker color. If you saturate the color by 10%, you get **80.2620, 46.7170, 17.8930**, and if you desaturate by 10%, it is **99.6620, 30.6710, 11.3350**.

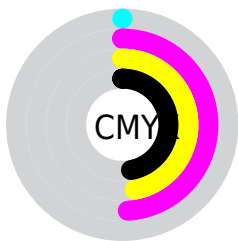
Distribution



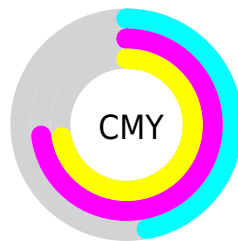
- Red (53%)
- Green (27%)
- Blue (28%)



- Red (53%)
- Yellow (27%)
- Blue (28%)



- Cyan (0%)
- Magenta (49%)
- Yellow (47%)
- Black (47%)



- Cyan (47%)
- Magenta (73%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.9620, 38.6940, 14.6140 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 89.9620, 38.6940, 14.6140 by changing the saturation by 10% instead.

■ 89.9620, 38.6940,
14.6140

■ 89.9620, 38.6940,
14.6140

255.0000, -0.0000,
-0.0000

■ 65.2930, 36.2640,
14.6000

■ 141.5280, 42.9120,
15.2640

■ 41.6240, 33.8340,
14.5860

■ 168.4250, 44.7000,
15.9000

■ 17.6840, 33.6050,
13.2290

■ 196.0230, 45.8920,
16.3240

■ 9.9810, 19.3470,
7.3070

■ 217.0320, 32.5050,
11.1370

■ 0.0000, 0.0000,
0.0000

■ 236.6600, 15.8170,
5.2010

■ 89.9620, 38.6940,
14.6140

■ 89.9620, 38.6940,
14.6140

■ 80.2620, 46.7170,
17.8930

■ 99.6620, 30.6710,
11.3350

■ 71.1490, 54.4650,
20.6490

■ 108.7750, 22.9230,
8.5790

■ 61.4490, 62.4880,
23.9280

■ 118.5890, 14.5790,
5.6110

■ 52.2220, 70.5570,
26.3730

■ 127.7020, 6.8310,
2.8550

■ 42.5220, 78.5800,
29.6520

■ 137.4020, -1.1920,
-0.4240

■ 41.1200, 79.7720,
30.0760

■ 147.1020, -9.2150,
-3.7030

■ 156.2150,
-16.9630, -6.4590

■ 165.9150,

-24.9860, -9.7380

■ 175.1420,
-33.0550, -12.1830

Harmonies

Analogous

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



91.0290, 28.5600, 22.0640



89.9620, 38.6940, 14.6140



89.2850, 38.7420, 2.7260

Triad

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



89.9620, 38.6940, 14.6140



81.7680, -11.8710, -21.6550



79.5810, -52.8640, -0.0960

Complementary

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



89.9620, 38.6940, 14.6140



116.0380, -38.6940, -14.6140

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.



72.7050, -68.3130, -11.9690



89.9620, 38.6940, 14.6140



70.7170, -51.3920, -26.7840

Square

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



89.9620, 38.6940, 14.6140



85.6800, 11.9240, -17.8680



72.0720, -62.3970, -20.0690



89.5040, -18.4340, 14.7020

Rectangle

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



89.9620, 38.6940, 14.6140



88.4920, 33.4250, -5.5430



72.0720, -62.3970, -20.0690



71.8560, -70.0560, -7.9120

Sweetspot

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



89.9620, 38.6940, 14.6140



157.7740, 15.4960, 5.5120



96.6600, 16.9580, 34.0940



77.8980, 9.2150, 3.7030



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9620, 38.6940, 14.6140



104.8400, 59.8290, 22.5570



107.9310, 30.8110, -2.2210



64.0930, 4.1720, 1.4840



40.2230, 77.9840, 29.4400



1.4950, 2.9800, 1.0600

Inverse Universe

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



89.9620, 38.6940, 14.6140



104.8400, 59.8290, 22.5570



98.0690, -30.8110, 2.2210



64.0930, 4.1720, 1.4840



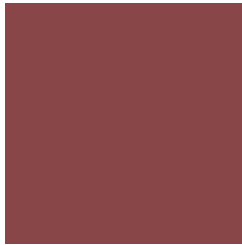
40.2230, 77.9840, 29.4400



1.4950, 2.9800, 1.0600

Previews

White Background



This preview shows how the YIQ color 89.9620, 38.6940, 14.6140 looks on a white background.

Color Contrast Check

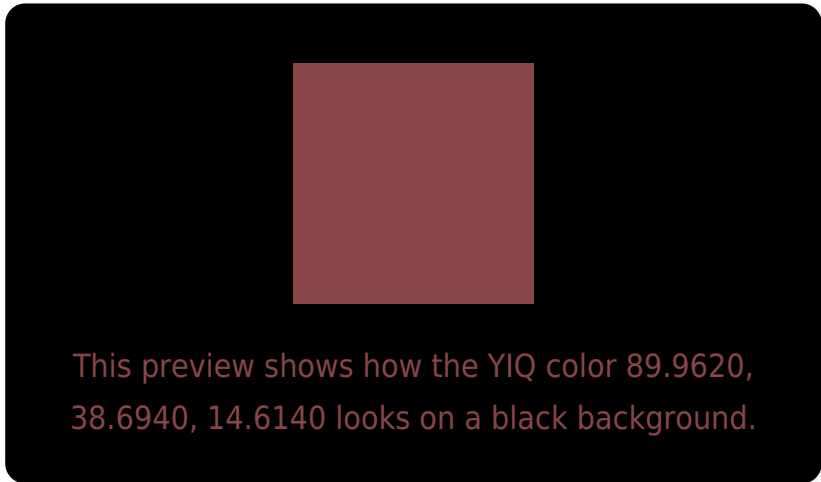
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

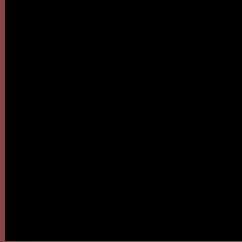
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 89.9620, 38.6940, 14.6140

Background



This preview shows how black text looks on a background with the YIQ color 89.9620, 38.6940, 14.6140.



This preview shows how white text looks on a background with the YIQ color 89.9620, 38.6940,

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

89.9620, 38.6940, 14.6140

Protanopia

90.2840, 4.9520, -1.6400

Deuteranopia

90.0420, 17.3770, -1.0470



Tritanopia

90.3040, 37.7310, 15.5470

Trichromacy



Original Color

89.9620, 38.6940, 14.6140

Protanomaly

90.2040, 17.1010, 3.9570

Deuteranomaly

89.9230, 25.2620, 4.7340

Tritanomaly

90.1900, 38.0520, 15.2360

Monochromacy



Original Color

89.9620, 38.6940, 14.6140

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

90.1760, 14.3040, 5.0880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.9620, 38.6940, 14.6140 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(136, 70, 72)` looks like.

```
.text, #text, p{  
    color:rgb(136, 70, 72)  
}
```

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(136, 70, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 70, 72) }
```

Border

The CSS property to change the border of an element to YIQ 89.9620, 38.6940, 14.6140 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(136, 70, 72) }
```


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

```
.border{ border-color:rgb(136, 70, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 70, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 70, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 70, 72);  
box-shadow:4px 4px 4px 4px rgb(136, 70,  
72) }
```

Background

The CSS property to change the background color of an element to YIQ 89.9620, 38.6940, 14.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 70, 72) }
```

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

```
.background{ background-color: rgb(136, 70,  
72) }
```

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