

Converting Colors

XYZ(13.9040, 11.6502, 8.6579)

Have a look what the booklet for
XYZ(13.9040, 11.6502, 8.6579)
contains.

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Color

**XYZ(13.8285, 11.5619,
8.7106)**

Conversions

Conversions Part 1

Format	Color
Hex	83534E
RGB	131, 83, 78
RGB Percent	51%, 33%, 31%
CMY	0.4863, 0.6745, 0.6941
CMYK	0.00, 0.37, 0.40, 0.49
HSL	6°, 25%, 41%
HSV	6°, 40%, 51%
XYZ	13.8285, 11.5619, 8.7106
YIQ	96.7820, 30.2130, 8.6210

Conversions

Conversions Part 2

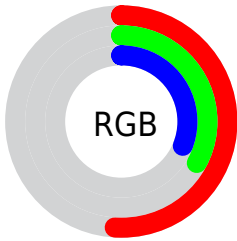
Format	Color
R_{YB}	131, 84, 78
Decimal	8606542
CIE _{Lab}	40.51, 19.39, 11.26
CIE _{LCh}	41, 22.423, 30.131
Yxy	11.5619, 0.4055, 0.3390
Android (android.graphics.Color)	4286796622 (0xFF83534E)
YUV	96.7820, -9.2595, 30.0092
Hunter-Lab	34.0028, 13.0888, 8.6135

Details

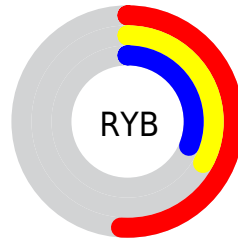
The XYZ color **13.8285, 11.5619, 8.7106** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.6992, 18.1794, 24.2070**, and the grayscale version is **11.3259, 11.9157, 12.9762**.

A 20% lighter version of the original color is **32.4680, 28.7465, 23.9160**, and **4.1748, 3.1009, 1.8919** is the 20% darker color. If you saturate the color by 10%, you get **12.5735, 9.7302, 6.2014**, and if you desaturate by 10%, it is **15.3330, 13.7429, 11.7649**.

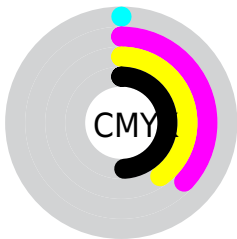
Distribution



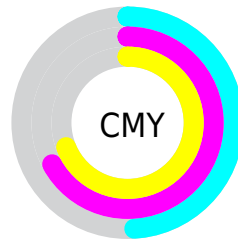
- Red (51%)
- Green (33%)
- Blue (31%)



- Red (51%)
- Yellow (33%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (40%)
- Black (49%)



- Cyan (49%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8285, 11.5619, 8.7106 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 XYZ color 13.8285, 11.5619, 8.7106 by changing the saturation by 10% instead.

■ 13.8285, 11.5619,
8.7106

■ 13.8285, 11.5619,
8.7106

209.6933,
201.4830, 191.3420

■ 8.0824, 6.4461,
4.4587

■ 32.3732, 28.6946,
23.9089

■ 4.2000, 3.1182,
1.8802

■ 45.9026, 41.4804,
35.6924

■ 1.8159, 1.1937,
0.4801

■ 62.7570, 57.5916,
50.8235

■ 0.5272, 0.0566,
0.0000

■ 83.3019, 77.4126,
69.7208

■ 0.0000, 0.0000,
0.0000

■ 107.9026,
101.3279, 92.8027

136.9245,

129.7217, 120.4878

170.7330,
162.9786, 153.1947

■ 13.8285, 11.5619,
8.7106

■ 13.8285, 11.5619,
8.7106

■ 12.5735, 9.7302,
6.2014

■ 15.3330, 13.7429,
11.7649

■ 11.5537, 8.2279,
4.2046

■ 17.0986, 16.2882,
15.3930

■ 10.7545, 7.0361,
2.6848

■ 19.1373, 19.2140,
19.6226

■ 10.1594, 6.1328,
1.6023

■ 21.4599, 22.5350,
24.4791

■ 9.7498, 5.4935,
0.9106

■ 24.0769, 26.2653,
29.9867

■ 9.4960, 5.0972,
0.4834

■ 26.9979, 30.4181,
36.1683

■ 30.2324, 35.0060,
43.0455

■ 33.7893, 40.0413,
50.6390

■ 37.6773, 45.5356,
58.9689

Harmonies

Analogous

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



14.3120, 11.5619, 12.5691



13.8285, 11.5619, 8.7106



12.5710, 11.5619, 6.4560

Triad

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



13.8285, 11.5619, 8.7106



8.5620, 11.5619, 8.7376



10.9962, 11.5619, 23.4340

Complementary

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



13.8285, 11.5619, 8.7106



14.6992, 18.1794, 24.2070

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.



9.5461, 11.5619, 21.7301



13.8285, 11.5619, 8.7106



8.2252, 11.5619, 12.6089

Square

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



13.8285, 11.5619, 8.7106



9.5351, 11.5619, 6.4688



8.5679, 11.5619, 17.4753



12.5841, 11.5619, 21.7015

Rectangle

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



13.8285, 11.5619, 8.7106



11.5176, 11.5619, 5.8208



8.5679, 11.5619, 17.4753



10.4773, 11.5619, 23.2400

Sweetspot

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



13.8288, 11.5625, 8.7108



33.5693, 33.4029, 33.6794



15.8882, 11.7957, 21.3760



7.7219, 7.6426, 7.6465



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8288, 11.5625, 8.7108



22.5831, 17.5223, 11.2373



16.1950, 16.2950, 9.4996



4.7053, 4.7543, 4.8990



9.3484, 5.0195, 0.4761



0.0345, 0.0217, 0.0024

Inverse Universe

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



14.6992, 18.1794, 24.2070



24.3672, 31.1430, 43.1801



11.8039, 12.3889, 23.2419



4.7651, 5.2058, 5.9544



10.4844, 14.5167, 23.3861



0.0390, 0.0557, 0.0819

Previews

White Background



This preview shows how the XYZ color 13.8285, 11.5619, 8.7106 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



This preview shows how the XYZ color 13.8285, 11.5619, 8.7106 looks on a 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](#).

XYZ 13.8285, 11.5619, 8.7106

Background



This preview shows how black text looks on a background with the XYZ color 13.8285, 11.5619, 8.7106.



This preview shows how white text looks on a background with the XYZ color 13.8285, 11.5619,

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

13.8285, 11.5619, 8.7106

Protanopia

11.0386, 11.7152, 10.0670

Deuteranopia

11.8137, 11.6208, 8.4579



Tritanopia

14.2945, 11.6447, 10.7268

Trichromacy



Original Color

13.8285, 11.5619, 8.7106

Protanomaly

11.8196, 11.4709, 9.5738

Deuteranomaly

12.5197, 11.6025, 8.6008

Tritanomaly

14.1332, 11.5802, 9.8778

Monochromacy



Original Color

13.8285, 11.5619, 8.7106

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9793, 11.6437, 11.2889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8285, 11.5619, 8.7106 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(131, 83, 78)` looks like.

```
.text, #text, p{  
    color:rgb(131, 83, 78)  
}
```

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(131, 83, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 83, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.8285, 11.5619, 8.7106 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(131, 83, 78) }
```


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

```
.border{ border-color:rgb(131, 83, 78) }
```

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

Here you see how a box with a 4 pixel rgb(131, 83, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 83, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 83, 78);  
box-shadow:4px 4px 4px 4px rgb(131, 83,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8285, 11.5619, 8.7106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 83, 78) }
```

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

```
.background{ background-color: rgb(131, 83,  
78) }
```

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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