

Converting Colors

XYZ(13.5681, 8.5273, 8.1083)

Have a look what the booklet for
XYZ(13.5681, 8.5273, 8.1083)
contains.

XYZ(13.5003, 8.4940, 8.1357)	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

**XYZ(13.5003, 8.4940,
8.1357)**

Conversions

Conversions Part 1

Format	Color
Hex	8D324E
RGB	141, 50, 78
RGB Percent	55%, 20%, 31%
CMY	0.4471, 0.8039, 0.6941
CMYK	0.00, 0.65, 0.45, 0.45
HSL	342°, 48%, 37%
HSV	342°, 65%, 55%
XYZ	13.5003, 8.4940, 8.1357
YIQ	80.4010, 45.2480, 28.0000

Conversions

Conversions Part 2

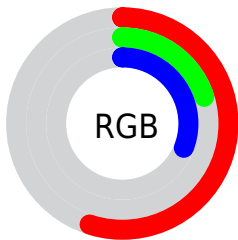
Format	Color
R _Y B	141, 50, 78
Decimal	9253454
CIE Lab	34.99, 41.09, 3.68
CIE LCh	35, 41.253, 5.115
Yxy	8.4940, 0.4481, 0.2819
Android (android.graphics.Color)	4287443534 (0xFF8D324E)
YUV	80.4010, -1.1837, 53.1453
Hunter-Lab	29.1445, 31.6819, 3.8503

Details

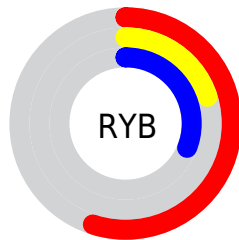
The XYZ color **13.5003, 8.4940, 8.1357** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.8215, 20.9204, 18.9338**, and the grayscale version is **7.6997, 8.1007, 8.8216**.

A 20% lighter version of the original color is **31.7731, 22.8454, 22.8137**, and **4.1265, 2.0939, 1.7001** is the 20% darker color. If you saturate the color by 10%, you get **12.6632, 7.3390, 6.2562**, and if you desaturate by 10%, it is **14.5755, 10.0421, 10.3511**.

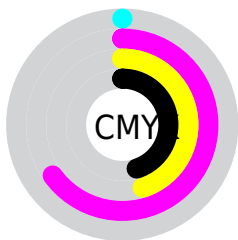
Distribution



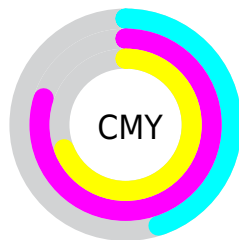
- Red (55%)
- Green (20%)
- Blue (31%)



- Red (55%)
- Yellow (20%)
- Blue (31%)



- Cyan (0%)
- Magenta (65%)
- Yellow (45%)
- Black (45%)




- Cyan (45%)
- Magenta (80%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5003, 8.4940, 8.1357 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 13.5003, 8.4940, 8.1357 by changing the saturation by 10% instead.


 13.5003, 8.4940,
8.1357


 13.5003, 8.4940,
8.1357


207.6730,
179.5570, 186.7667


 7.8533, 4.4126,
4.0929


 31.7934, 22.9213,
22.7746


 4.0522, 1.9070,
1.6764

 45.1703, 34.0361,
34.2077


 1.7317, 0.5526,
0.3445

 61.8545, 48.2641,
48.9414

 0.4760, 0.0000,
0.0000

 82.2114, 65.9898,
67.3942

 0.0000, 0.0000,
0.0000

 106.6064, 87.5975,
89.9846

 135.4047,

113.4717, 117.1311

168.9718,
143.9967, 149.2523

■ 13.5003, 8.4940,
8.1357

■ 13.5003, 8.4940,
8.1357

■ 12.6632, 7.3390,
6.2562

■ 14.5755, 10.0421,
10.3511

■ 12.0436, 6.5395,
4.6943

■ 15.9058, 12.0136,
12.9185

■ 11.6165, 6.0493,
3.4296

■ 17.5071, 14.4376,
15.8531

■ 11.4276, 5.8400,
2.8471

■ 19.3942, 17.3401,
19.1694

■ 21.5804, 20.7449,
22.8808

■ 24.0783, 24.6747,
27.0002

■ 26.8998, 29.1503,
31.5397

■ 30.0562, 34.1917,
36.5111

■ 33.5580, 39.8177,
41.9255

Harmonies

Analogous

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



12.9391, 8.4940, 15.8799



13.5003, 8.4940, 8.1357



12.3920, 8.4940, 3.5991

Triad

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



13.5003, 8.4940, 8.1357



5.7306, 8.4940, 2.1636



6.3075, 8.4940, 26.7995

Complementary

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



13.5003, 8.4940, 8.1357



13.8215, 20.9204, 18.9338

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.



4.8964, 8.4940, 18.9406



13.5003, 8.4940, 8.1357



4.6118, 8.4940, 4.7806

Square

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



13.5003, 8.4940, 8.1357



7.6748, 8.4940, 1.3975



4.3392, 8.4940, 10.4585



8.4854, 8.4940, 29.2204

Rectangle

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



13.5003, 8.4940, 8.1357



10.9623, 8.4940, 2.1522



4.3392, 8.4940, 10.4585



5.7425, 8.4940, 24.5663

Sweetspot

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



13.5005, 8.4945, 8.1358



36.6710, 34.0649, 37.6476



12.6542, 7.6617, 26.0113



7.9730, 7.2701, 8.0379



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5005, 8.4945, 8.1358



22.1761, 12.4806, 9.9857



13.5490, 9.8703, 4.2093



5.4730, 5.4497, 5.9886



10.4263, 5.3275, 2.6300



0.1087, 0.0545, 0.0724

Inverse Universe

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



13.5005, 8.4945, 8.1358



22.1761, 12.4806, 9.9857



13.3709, 17.0964, 27.7946



5.4730, 5.4497, 5.9886



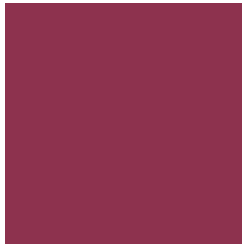
10.4263, 5.3275, 2.6300



0.1087, 0.0545, 0.0724

Previews

White Background



This preview shows how the XYZ color 13.5003, 8.4940, 8.1357 looks on a white background.

Color Contrast Check

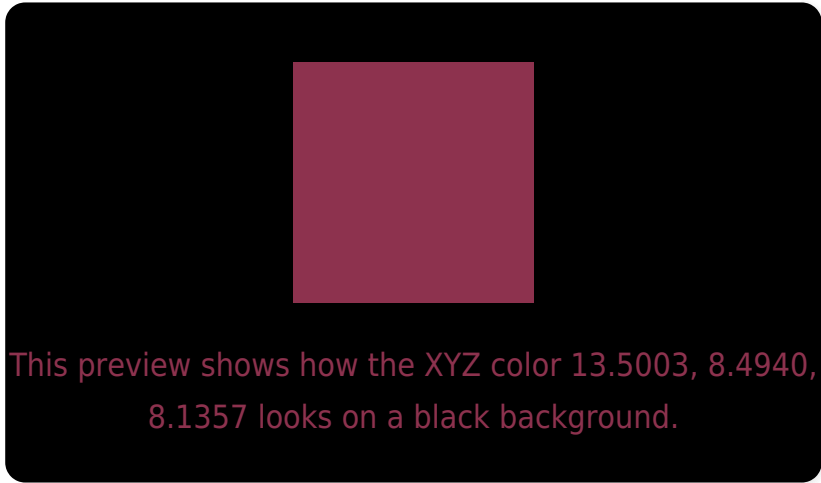
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

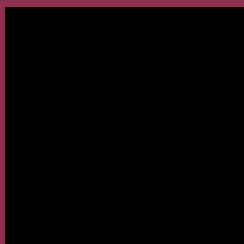
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5003, 8.4940, 8.1357

Background



This preview shows how black text looks on a background with the XYZ color 13.5003, 8.4940, 8.1357.

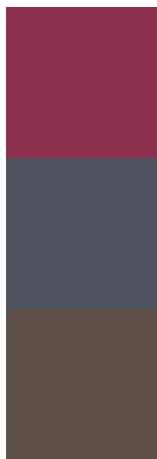


This preview shows how white text looks on a background with the XYZ color 13.5003, 8.4940,

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

13.5003, 8.4940, 8.1357

Protanopia

8.6443, 8.7989, 12.5520

Deuteranopia

8.8240, 8.6646, 7.6859



Tritanopia

12.8981, 8.5193, 4.9676

Trichromacy



Original Color

13.5003, 8.4940, 8.1357

Protanomaly

9.6922, 8.1282, 10.7309

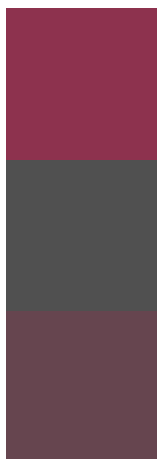
Deuteranomaly

10.0802, 8.2090, 7.7098

Tritanomaly

13.0425, 8.5033, 5.9549

Monochromacy



Original Color

13.5003, 8.4940, 8.1357

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.0189, 7.6455, 8.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5003, 8.4940, 8.1357 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(141, 50, 78)` looks like.

```
.text, #text, p{  
    color:rgb(141, 50, 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(141, 50, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 50, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.5003, 8.4940, 8.1357 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(141, 50, 78) }
```


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

```
.border{ border-color:rgb(141, 50, 78) }
```

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

Here you see how a box with a 4 pixel rgb(141, 50, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 50, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 50, 78);  
box-shadow:4px 4px 4px 4px rgb(141, 50,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5003, 8.4940, 8.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 50, 78) }
```

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

```
.background{ background-color: rgb(141, 50,  
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](#).

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