

Converting Colors

XYZ(13.1231, 8.3311, 9.6706)

Have a look what the booklet for
XYZ(13.1231, 8.3311, 9.6706)
contains.

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Color

**XYZ(13.1801, 8.3579,
9.7227)**

Conversions

Conversions Part 1

Format	Color
Hex	893356
RGB	137, 51, 86
RGB Percent	54%, 20%, 34%
CMY	0.4627, 0.8000, 0.6627
CMYK	0.00, 0.63, 0.37, 0.46
HSL	336°, 46%, 37%
HSV	336°, 63%, 54%
XYZ	13.1801, 8.3579, 9.7227
YIQ	80.7040, 40.0210, 29.1170

Conversions

Conversions Part 2

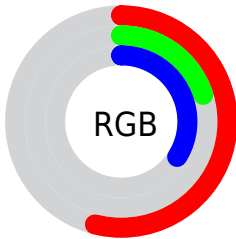
Format	Color
R_{YB}	137, 51, 86
Decimal	8991574
CIE _{Lab}	34.72, 40.19, -1.95
CIE _{LCh}	35, 40.237, 357.223
Yxy	8.3579, 0.4216, 0.2674
Android (android.graphics.Color)	4287181654 (0xFF893356)
YUV	80.7040, 2.6109, 49.3716
Hunter-Lab	28.9100, 30.7857, 0.2973

Details

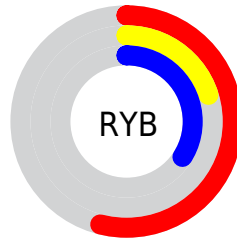
The XYZ color **13.1801, 8.3579, 9.7227** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.7097, 19.5547, 15.6761**, and the grayscale version is **7.7526, 8.1563, 8.8822**.

A 20% lighter version of the original color is **31.1876, 22.6178, 26.0144**, and **3.9675, 1.9991, 2.2746** is the 20% darker color. If you saturate the color by 10%, you get **12.3583, 7.2088, 7.9245**, and if you desaturate by 10%, it is **14.2160, 9.8756, 11.7761**.

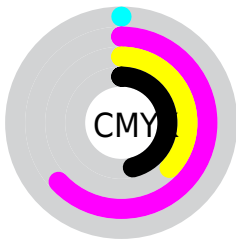
Distribution



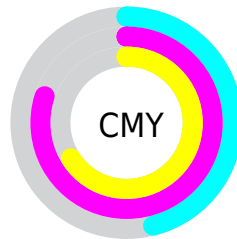
- Red (54%)
- Green (20%)
- Blue (34%)



- Red (54%)
- Yellow (20%)
- Blue (34%)



- Cyan (0%)
- Magenta (63%)
- Yellow (37%)
- Black (46%)





- Cyan (46%)
- Magenta (80%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1801, 8.3579, 9.7227 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 13.1801, 8.3579, 9.7227 by changing the saturation by 10% instead.


 13.1801, 8.3579,
9.7227


 13.1801, 8.3579,
9.7227


205.6830,
178.5129, 199.0937


 7.6305, 4.3248,
5.1123


 31.2255, 22.6571,
25.8722


 3.9093, 1.8569,
2.2534

 44.4521, 33.6921,
38.2484


 1.6509, 0.5222,
0.7049

 60.9684, 47.8297,
54.0503

 0.4253, 0.0000,
0.0000

 81.1398, 65.4545,
73.6964

 0.0000, 0.0000,
0.0000

 105.3316, 86.9508,
97.6052

 133.9091,

112.7031, 126.1953

167.2378,
143.0956, 159.8853

■ 13.1801, 8.3579,
9.7227

■ 13.1801, 8.3579,
9.7227

■ 12.3583, 7.2088,
7.9245

■ 14.2160, 9.8756,
11.7761

■ 11.7328, 6.3945,
6.3691

■ 15.4805, 11.7891,
14.0951

■ 11.2833, 5.8771,
5.0435

■ 16.9877, 14.1248,
16.6901

■ 11.0243, 5.6015,
4.2098

■ 18.7503, 16.9062,
19.5706

■ 20.7800, 20.1550,
22.7457

■ 23.0877, 23.8918,
26.2240

■ 25.6839, 28.1356,
30.0137

■ 28.5783, 32.9046,
34.1227

■ 31.7803, 38.2159,
38.5586

Harmonies

Analogous

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



12.2322, 8.3579, 17.7363



13.1801, 8.3579, 9.7227



12.5178, 8.3579, 4.4784

Triad

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



13.1801, 8.3579, 9.7227



6.1015, 8.3579, 1.8768



5.7980, 8.3579, 24.2761

Complementary

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



13.1801, 8.3579, 9.7227



12.7097, 19.5547, 15.6761

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.



4.6469, 8.3579, 16.1416



13.1801, 8.3579, 9.7227



4.7972, 8.3579, 3.8528

Square

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



13.1801, 8.3579, 9.7227



8.1584, 8.3579, 1.4361



4.3187, 8.3579, 8.5051



7.7333, 8.3579, 28.2987

Rectangle

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



13.1801, 8.3579, 9.7227



11.3109, 8.3579, 2.6432



4.3187, 8.3579, 8.5051



5.3217, 8.3579, 21.7862

Sweetspot

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



13.1803, 8.3583, 9.7228



34.7420, 32.1304, 36.8932



11.0851, 6.9507, 24.4244



7.5972, 6.8953, 7.9658



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.1803, 8.3583, 9.7228



21.6564, 12.2754, 13.0588



12.4359, 8.6008, 4.1372



5.1117, 5.0801, 5.6768



10.2748, 5.2200, 3.9513



0.0752, 0.0375, 0.0629

Inverse Universe

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



13.1803, 8.3583, 9.7228



21.6564, 12.2754, 13.0588



13.8414, 18.4312, 26.4951



5.1117, 5.0801, 5.6768



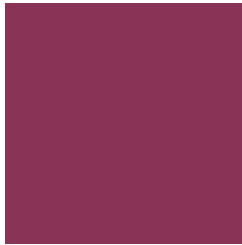
10.2748, 5.2200, 3.9513



0.0752, 0.0375, 0.0629

Previews

White Background



This preview shows how the XYZ color 13.1801, 8.3579, 9.7227 looks on a white background.

Color Contrast Check

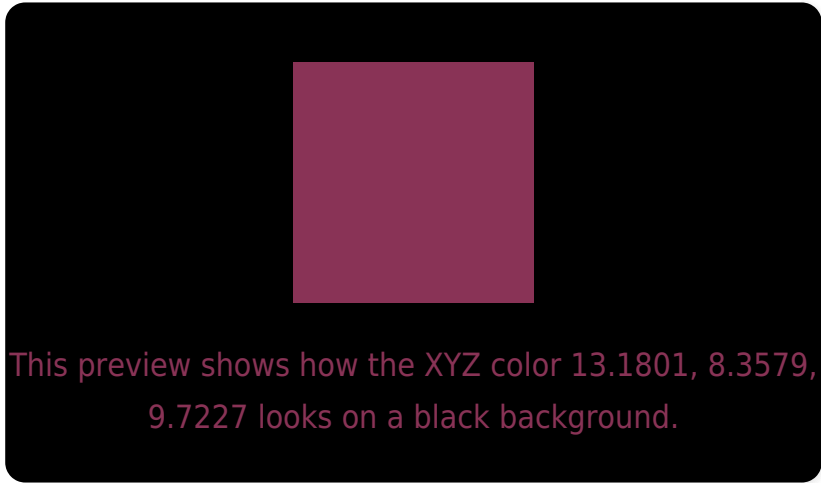
Large Text (above 18pt) WCAG AA ✓ Pass

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

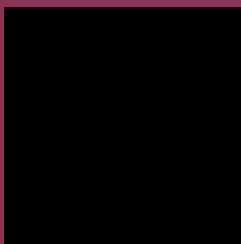
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1801, 8.3579, 9.7227

Background



This preview shows how black text looks on a background with the XYZ color 13.1801, 8.3579, 9.7227.

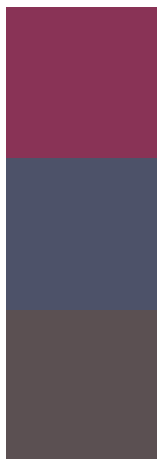


This preview shows how white text looks on a background with the XYZ color 13.1801, 8.3579,

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

13.1801, 8.3579, 9.7227

Protanopia

8.6277, 8.6323, 14.5761

Deuteranopia

8.7060, 8.5707, 9.1781



Tritanopia

12.2704, 8.4034, 5.2503

Trichromacy



Original Color

13.1801, 8.3579, 9.7227

Protanomaly

9.6034, 8.0410, 12.6012

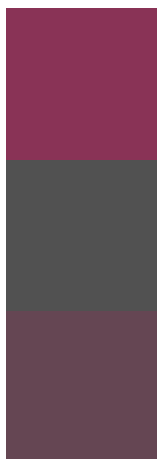
Deuteranomaly

9.8738, 8.0689, 9.2207

Tritanomaly

12.5937, 8.3963, 6.5871

Monochromacy



Original Color

13.1801, 8.3579, 9.7227

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1183, 7.7716, 9.2031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1801, 8.3579, 9.7227 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(137, 51, 86)` looks like.

```
.text, #text, p{  
    color:rgb(137, 51, 86)  
}
```

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(137, 51, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 51, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.1801, 8.3579, 9.7227 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(137, 51, 86) }
```


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

```
.border{ border-color:rgb(137, 51, 86) }
```

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

Here you see how a box with a 4 pixel rgb(137, 51, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 51, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 51, 86);  
box-shadow:4px 4px 4px 4px rgb(137, 51,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1801, 8.3579, 9.7227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 51, 86) }
```

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

```
.background{ background-color: rgb(137, 51,  
86) }
```

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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