

Converting Colors

XYZ(18.8713, 13.1578, 13.2238)

Have a look what the booklet for
XYZ(18.8713, 13.1578, 13.2238)
contains.

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Color

**XYZ(18.8212, 13.1831,
13.1079)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4B62
RGB	158, 75, 98
RGB Percent	62%, 29%, 38%
CMY	0.3804, 0.7059, 0.6157
CMYK	0.00, 0.53, 0.38, 0.38
HSL	343°, 36%, 46%
HSV	343°, 53%, 62%
XYZ	18.8212, 13.1831, 13.1079
YIQ	102.4390, 42.0850, 24.7490

Conversions

Conversions Part 2

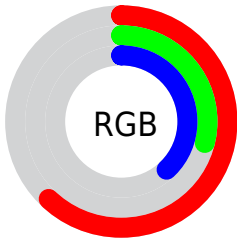
Format	Color
R_{YB}	158, 75, 98
Decimal	10373986
CIE _{Lab}	43.04, 36.96, 3.04
CIE _{LCh}	43, 37.085, 4.695
Yxy	13.1831, 0.4172, 0.2922
Android (android.graphics.Color)	4288564066 (0xFF9E4B62)
YUV	102.4390, -2.1884, 48.7270
Hunter-Lab	36.3085, 28.9888, 4.0114

Details

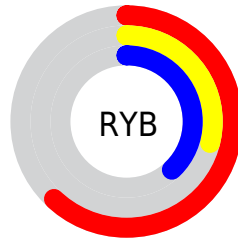
The XYZ color **18.8212, 13.1831, 13.1079** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.5023, 27.6991, 27.2418**, and the grayscale version is **12.7425, 13.4061, 14.5993**.

A 20% lighter version of the original color is **40.9100, 31.5387, 32.3652**, and **6.5400, 3.7848, 3.6346** is the 20% darker color. If you saturate the color by 10%, you get **17.3781, 11.0994, 10.1532**, and if you desaturate by 10%, it is **20.6081, 15.8312, 16.5572**.

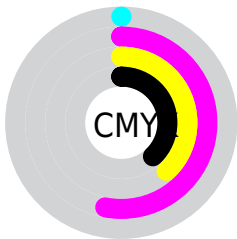
Distribution



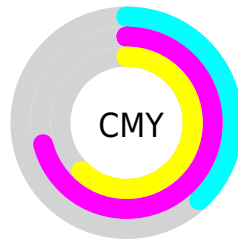
- Red (62%)
- Green (29%)
- Blue (38%)



- Red (62%)
- Yellow (29%)
- Blue (38%)



- Cyan (0%)
- Magenta (53%)
- Yellow (38%)
- Black (38%)



- Cyan (38%)
- Magenta (71%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8212, 13.1831, 13.1079 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 18.8212, 13.1831, 13.1079 by changing the saturation by 10% instead.

■ 18.8212, 13.1831,
13.1079

■ 18.8212, 13.1831,
13.1079

238.4170,
212.0878, 222.8401

■ 11.6444, 7.5548,
7.3713

■ 40.9510, 31.6323,
32.1915

■ 6.5725, 3.8114,
3.6134

■ 56.6346, 45.2220,
46.3756

■ 3.2401, 1.5686,
1.4158

■ 75.8846, 62.2343,
64.2126

■ 1.2820, 0.3363,
0.1540

■ 99.0663, 83.0535,
86.1210

■ 0.1697, 0.0000,
0.0000

■ 126.5450,
108.0640, 112.5195

■ 0.0000, 0.0000,
0.0000

158.6862,

137.6504, 143.8264

195.8550,
172.1968, 180.4605

■ 18.8212, 13.1831,
13.1079

■ 18.8212, 13.1831,
13.1079

■ 17.3781, 11.0994,
10.1532

■ 20.6081, 15.8312,
16.5572

■ 16.2545, 9.5366,
7.6687

■ 22.7588, 19.0790,
20.5225

■ 15.4243, 8.4481,
5.6286

■ 25.2931, 22.9611,
25.0247

■ 14.8565, 7.7781,
4.0040

■ 28.2288, 27.5090,
30.0833

■ 14.5509, 7.4493,
3.0319

■ 31.5827, 32.7522,
35.7168

■ 35.3707, 38.7183,
41.9429

■ 39.6078, 45.4332,
48.7784

■ 44.3081, 52.9220,
56.2395

■ 49.4854, 61.2081,
64.3417

Harmonies

Analogous

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



18.1637, 13.1831, 22.1586



18.8212, 13.1831, 13.1079



17.5954, 13.1831, 7.1479

Triad

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



18.8212, 13.1831, 13.1079



9.6635, 13.1831, 4.9330



10.3314, 13.1831, 33.7220

Complementary

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



18.8212, 13.1831, 13.1079



19.5023, 27.6991, 27.2418

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.



8.5442, 13.1831, 25.2643



18.8212, 13.1831, 13.1079



8.2015, 13.1831, 8.6383

Square

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



18.8212, 13.1831, 13.1079



12.0871, 13.1831, 3.7084



7.8250, 13.1831, 15.6770



12.9839, 13.1831, 36.3550

Rectangle

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



18.8212, 13.1831, 13.1079



15.9702, 13.1831, 4.9802



7.8250, 13.1831, 15.6770



9.6234, 13.1831, 31.3416

Sweetspot

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



18.8216, 13.1838, 13.1081



49.1583, 46.6854, 51.0340



18.5969, 12.6097, 33.8014



10.8503, 10.1651, 11.1054



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8216, 13.1838, 13.1081



31.1716, 19.6086, 17.6111



19.2839, 15.6036, 8.6529



6.7048, 6.6749, 7.2968



11.6688, 5.9721, 2.5067



0.2251, 0.1134, 0.1318

Inverse Universe

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



18.8216, 13.1838, 13.1081



31.1716, 19.6086, 17.6111



18.4542, 22.7260, 35.7615



6.7048, 6.6749, 7.2968



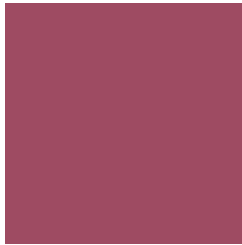
11.6688, 5.9721, 2.5067



0.2251, 0.1134, 0.1318

Previews

White Background



This preview shows how the XYZ color 18.8212, 13.1831, 13.1079 looks on a white background.

Color Contrast Check

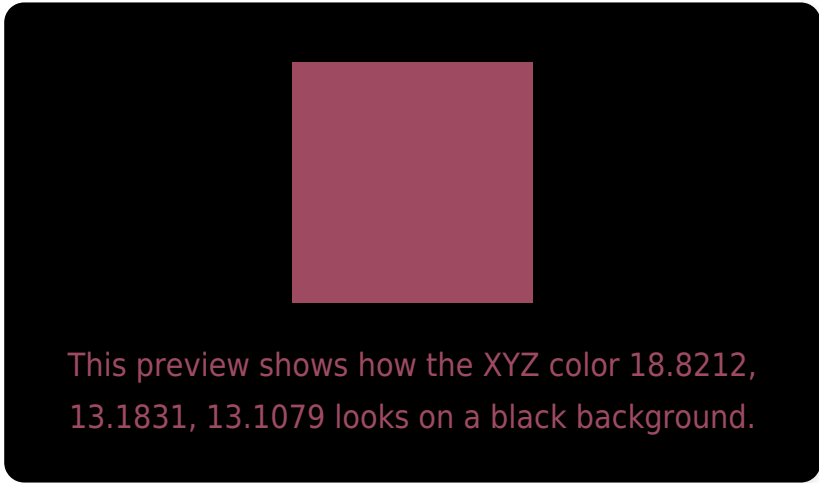
Large Text (above 18pt) WCAG AA ✓ Pass

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

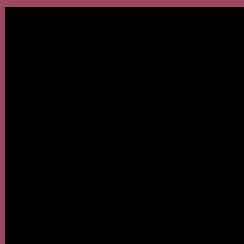
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8212, 13.1831, 13.1079

Background



This preview shows how black text looks on a background with the XYZ color 18.8212, 13.1831, 13.1079.



This preview shows how white text looks on a background with the XYZ color 18.8212, 13.1831,

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

18.8212, 13.1831, 13.1079

Protanopia

13.0988, 13.4617, 17.5308

Deuteranopia

13.5525, 13.3767, 12.4573



Tritanopia

18.1904, 13.2414, 9.7807

Trichromacy



Original Color

18.8212, 13.1831, 13.1079

Protanomaly

14.5600, 12.8746, 15.9050

Deuteranomaly

15.0818, 12.9638, 12.5338

Tritanomaly

18.3200, 13.1804, 10.8110

Monochromacy



Original Color

18.8212, 13.1831, 13.1079

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.2021, 12.7315, 14.0208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8212, 13.1831, 13.1079 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(158, 75, 98)` looks like.

```
.text, #text, p{  
    color:rgb(158, 75, 98)  
}
```

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(158, 75, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 75, 98) }
```

Border

The CSS property to change the border of an element to XYZ 18.8212, 13.1831, 13.1079 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(158, 75, 98) }
```


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

```
.border{ border-color:rgb(158, 75, 98) }
```

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

Here you see how a box with a 4 pixel rgb(158, 75, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 75, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 75, 98);  
box-shadow:4px 4px 4px 4px rgb(158, 75,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8212, 13.1831, 13.1079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 75, 98) }
```

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

```
.background{ background-color: rgb(158, 75,  
98) }
```

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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