

Converting Colors

XYZ(18.8070, 13.1431, 12.3087)

Have a look what the booklet for
XYZ(18.8070, 13.1431, 12.3087)
contains.

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Color

**XYZ(18.8797, 13.2293,
12.3849)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4B5F
RGB	159, 75, 95
RGB Percent	62%, 29%, 37%
CMY	0.3765, 0.7059, 0.6274
CMYK	0.00, 0.53, 0.40, 0.38
HSL	346°, 36%, 46%
HSV	346°, 53%, 62%
XYZ	18.8797, 13.2293, 12.3849
YIQ	102.3960, 43.6440, 24.0280

Conversions

Conversions Part 2

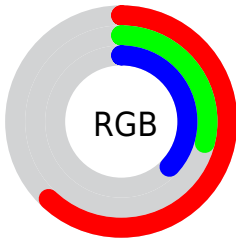
Format	Color
R_{YB}	159, 75, 95
Decimal	10439519
CIE Lab	43.11, 36.96, 5.00
CIE LCh	43, 37.302, 7.710
Yxy	13.2293, 0.4243, 0.2973
Android (android.graphics.Color)	4288629599 (0xFF9F4B5F)
YUV	102.3960, -3.6462, 49.6417
Hunter-Lab	36.3721, 29.0030, 5.2719

Details

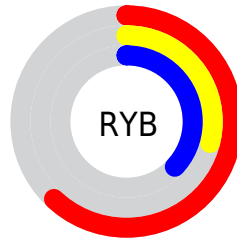
The XYZ color **18.8797, 13.2293, 12.3849** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.9607, 28.1565, 28.8105**, and the grayscale version is **12.7347, 13.3979, 14.5903**.

A 20% lighter version of the original color is **40.8906, 31.5650, 30.7255**, and **6.5899, 3.8181, 3.2954** is the 20% darker color. If you saturate the color by 10%, you get **17.4243, 11.1324, 9.3909**, and if you desaturate by 10%, it is **20.6909, 15.9008, 15.9204**.

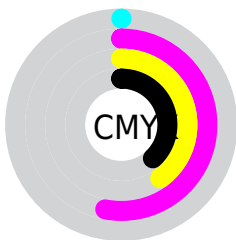
Distribution



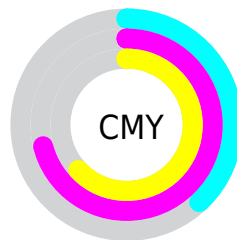
- Red (62%)
- Green (29%)
- Blue (37%)



- Red (62%)
- Yellow (29%)
- Blue (37%)



- Cyan (0%)
- Magenta (53%)
- Yellow (40%)
- Black (38%)



- Cyan (38%)
- Magenta (71%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8797, 13.2293, 12.3849 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 18.8797, 13.2293, 12.3849 by changing the saturation by 10% instead.

■ 18.8797, 13.2293,
12.3849

■ 18.8797, 13.2293,
12.3849

238.7347,
212.3820, 218.0046

■ 11.6869, 7.5866,
6.8807

■ 41.0492, 31.7151,
30.8690

■ 6.6015, 3.8316,
3.3103

■ 56.7565, 45.3271,
44.6860

■ 3.2583, 1.5798,
1.2552

■ 76.0328, 62.3642,
62.1110

■ 1.2918, 0.3439,
0.0246

■ 99.2432, 83.2110,
83.5625

■ 0.1770, 0.0000,
0.0000

■ 126.7533,
108.2518, 109.4590

■ 0.0000, 0.0000,
0.0000

158.9284,

137.8709, 140.2192

196.1337,
172.4529, 176.2616

■ 18.8797, 13.2293,
12.3849

■ 18.8797, 13.2293,
12.3849

■ 17.4243, 11.1324,
9.3909

■ 20.6909, 15.9008,
15.9204

■ 16.2994, 9.5656,
6.9100

■ 22.8791, 19.1831,
20.0222

■ 15.4775, 8.4811,
4.9123

■ 25.4646, 23.1118,
24.7145

■ 14.9263, 7.8212,
3.3640

■ 28.4664, 27.7191,
30.0197

■ 14.6455, 7.5099,
2.4988

■ 31.9020, 33.0351,
35.9591

■ 35.7878, 39.0880,
42.5530

■ 40.1396, 45.9047,
49.8207

■ 44.9722, 53.5104,
57.7808

■ 50.2999, 61.9294,
66.4510

Harmonies

Analogous

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



18.4080, 13.2293, 21.2755



18.8797, 13.2293, 12.3849



17.4691, 13.2293, 6.7339

Triad

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



18.8797, 13.2293, 12.3849



9.4893, 13.2293, 5.1647



10.5934, 13.2293, 34.5566

Complementary

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



18.8797, 13.2293, 12.3849



19.9607, 28.1565, 28.8105

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.



8.6912, 13.2293, 26.4074



18.8797, 13.2293, 12.3849



8.1247, 13.2293, 9.1993

Square

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



18.8797, 13.2293, 12.3849



11.8475, 13.2293, 3.7280



7.8566, 13.2293, 16.6324



13.3297, 13.2293, 36.4522

Rectangle

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



18.8797, 13.2293, 12.3849



15.7613, 13.2293, 4.7437



7.8566, 13.2293, 16.6324



9.8484, 13.2293, 32.3403

Sweetspot

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



18.8801, 13.2300, 12.3851



49.0250, 46.6321, 50.3320



19.2558, 12.9394, 34.2835



10.8174, 10.1519, 10.9321



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.



18.8801, 13.2300, 12.3851



30.8953, 19.4981, 16.1559



19.7514, 16.2454, 8.7522



6.6946, 6.6707, 7.2427



11.5817, 5.9373, 2.0485



0.2219, 0.1121, 0.1145

Inverse Universe

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



18.8801, 13.2300, 12.3851



30.8953, 19.4981, 16.1559



18.2487, 22.1766, 36.1195



6.6946, 6.6707, 7.2427



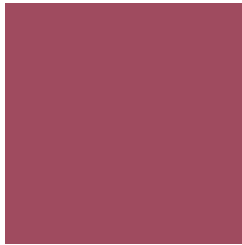
11.5817, 5.9373, 2.0485



0.2219, 0.1121, 0.1145

Previews

White Background



This preview shows how the XYZ color 18.8797, 13.2293, 12.3849 looks on a white background.

Color Contrast Check

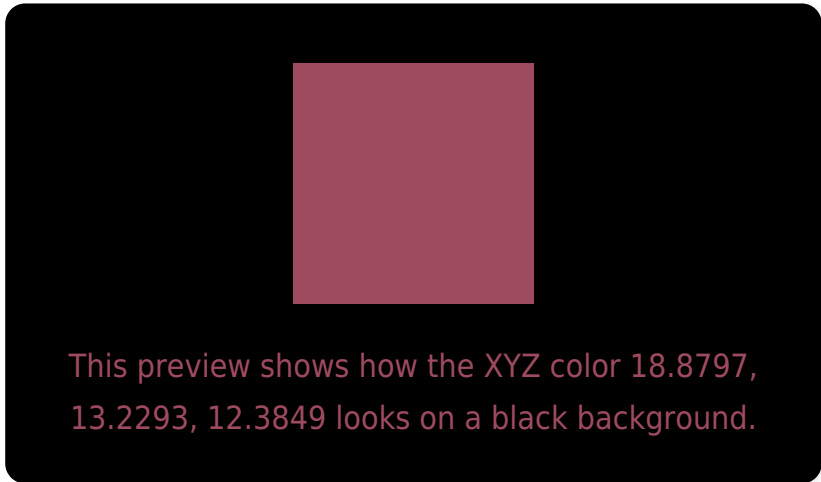
Large Text (above 18pt) WCAG AA ✓ Pass

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

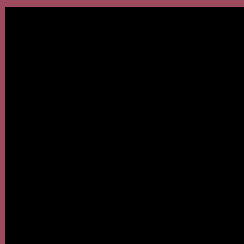
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8797, 13.2293, 12.3849

Background



This preview shows how black text looks on a background with the XYZ color 18.8797, 13.2293, 12.3849.



This preview shows how white text looks on a background with the XYZ color 18.8797, 13.2293,

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

18.8797, 13.2293, 12.3849

Protanopia

13.0453, 13.4533, 16.6610

Deuteranopia

13.5526, 13.3920, 11.7681



Tritanopia

18.3158, 13.2014, 9.7664

Trichromacy



Original Color

18.8797, 13.2293, 12.3849

Protanomaly

14.5453, 12.8852, 15.0851

Deuteranomaly

15.1037, 12.9906, 11.8366

Tritanomaly

18.4053, 13.1261, 10.5804

Monochromacy



Original Color

18.8797, 13.2293, 12.3849

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.2477, 12.7661, 13.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8797, 13.2293, 12.3849 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(159, 75, 95)` looks like.

```
.text, #text, p{  
  color:rgb(159, 75, 95)  
}
```

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(159, 75, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 75, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.8797, 13.2293, 12.3849 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(159, 75, 95) }
```


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

```
.border{ border-color:rgb(159, 75, 95) }
```

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

Here you see how a box with a 4 pixel rgb(159, 75, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 75, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 75, 95);  
box-shadow:4px 4px 4px 4px rgb(159, 75,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8797, 13.2293, 12.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 75, 95) }
```

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

```
.background{ background-color: rgb(159, 75,  
95) }
```

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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