

Converting Colors

XYZ(19.8803, 12.2976, 9.3412)

Have a look what the booklet for
XYZ(19.8803, 12.2976, 9.3412)
contains.

XYZ(19.8306, 12.2932, 9.3103)	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(19.8306, 12.2932,
9.3103)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3A52
RGB	171, 58, 82
RGB Percent	67%, 23%, 32%
CMY	0.3294, 0.7725, 0.6784
CMYK	0.00, 0.66, 0.52, 0.33
HSL	347°, 49%, 45%
HSV	347°, 66%, 67%
XYZ	19.8306, 12.2932, 9.3103
YIQ	94.5230, 59.6440, 31.4200

Conversions

Conversions Part 2

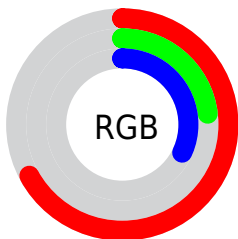
Format	Color
R _Y B	171, 58, 82
Decimal	11221586
CIE Lab	41.68, 47.94, 11.33
CIE LCh	42, 49.261, 13.302
Yxy	12.2932, 0.4786, 0.2967
Android (android.graphics.Color)	4289411666 (0xFFAB3A52)
YUV	94.5230, -6.1738, 67.0703
Hunter-Lab	35.0617, 39.6003, 8.7993

Details

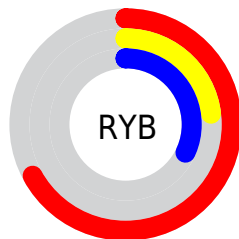
The XYZ color **19.8306, 12.2932, 9.3103** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.5751, 32.1322, 32.6712**, and the grayscale version is **10.7682, 11.3290, 12.3373**.

A 20% lighter version of the original color is **42.5240, 30.0500, 25.0317**, and **7.1599, 3.6507, 2.1610** is the 20% darker color. If you saturate the color by 10%, you get **18.6439, 10.6612, 6.6295**, and if you desaturate by 10%, it is **21.4048, 14.5393, 12.6169**.

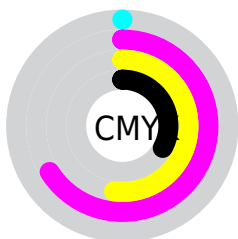
Distribution



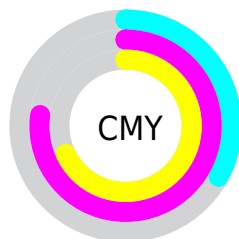
- Red (67%)
- Green (23%)
- Blue (32%)



- Red (67%)
- Yellow (23%)
- Blue (32%)



- Cyan (0%)
- Magenta (66%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (77%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8306, 12.2932, 9.3103 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 19.8306, 12.2932, 9.3103 by changing the saturation by 10% instead.

■ 19.8306, 12.2932,
9.3103

■ 19.8306, 12.2932,
9.3103

243.8477,
206.3368, 195.9786

■ 12.3795, 6.9437,
4.8446

■ 42.6391, 30.0280,
25.0771

■ 7.0767, 3.4269,
2.0992

■ 58.7272, 43.1821,
37.2153

■ 3.5569, 1.3585,
0.6153

■ 78.4251, 59.7064,
52.7480

■ 1.4546, 0.1858,
0.0000

■ 102.0980, 79.9855,
72.0938

■ 0.2947, 0.0000,
0.0000

■ 130.1114,
104.4037, 95.6712

■ 0.0000, 0.0000,
0.0000

■ 162.8305,

133.3454, 123.8988

200.6208,
167.1950, 157.1951

■ 19.8306, 12.2932,
9.3103

■ 19.8306, 12.2932,
9.3103

■ 18.6439, 10.6612,
6.6295

■ 21.4048, 14.5393,
12.6169

■ 17.8083, 9.5797,
4.5328

■ 23.3966, 17.4508,
16.5858

■ 17.2780, 8.9678,
2.9729

■ 25.8340, 21.0760,
21.2513

■ 17.1177, 8.7872,
2.4880

■ 28.7426, 25.4578,
26.6453

■ 32.1456, 30.6362,
32.7974

■ 36.0649, 36.6480,
39.7357

■ 40.5210, 43.5278,
47.4869

■ 45.5333, 51.3082,
56.0763

■ 51.1203, 60.0204,
65.5282

Harmonies

Analogous

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



19.6794, 12.2932, 19.9526



19.8306, 12.2932, 9.3103



17.5028, 12.2932, 3.8528

Triad

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



19.8306, 12.2932, 9.3103



7.5388, 12.2932, 3.5007



9.8002, 12.2932, 42.9075

Complementary

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



19.8306, 12.2932, 9.3103



21.5751, 32.1322, 32.6712

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.



7.3236, 12.2932, 32.1874



19.8306, 12.2932, 9.3103



6.2144, 12.2932, 8.4448

Square

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



19.8306, 12.2932, 9.3103



10.1580, 12.2932, 1.8597



6.1447, 12.2932, 18.5034



13.3563, 12.2932, 43.5742

Rectangle

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



19.8306, 12.2932, 9.3103



15.0909, 12.2932, 2.3187



6.1447, 12.2932, 18.5034



8.8334, 12.2932, 40.1804

Sweetspot

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



19.8309, 12.2939, 9.3105



54.8545, 50.7238, 53.8582



20.8104, 12.1256, 39.7715



11.8654, 10.7530, 11.3454



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.8309, 12.2939, 9.3105



32.6710, 18.1432, 10.1275



21.2164, 16.2794, 6.0279



8.0723, 8.0422, 8.6913



12.9207, 6.6308, 1.9617



0.3789, 0.1922, 0.1571

Inverse Universe

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



19.8309, 12.2939, 9.3105



32.6710, 18.1432, 10.1275



18.3264, 22.3009, 41.8665



8.0723, 8.0422, 8.6913



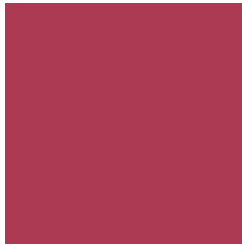
12.9207, 6.6308, 1.9617



0.3789, 0.1922, 0.1571

Previews

White Background



This preview shows how the XYZ color 19.8306, 12.2932, 9.3103 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 19.8306, 12.2932, 9.3103 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 19.8306, 12.2932, 9.3103

Background



This preview shows how black text looks on a background with the XYZ color 19.8306, 12.2932, 9.3103.



This preview shows how white text looks on a background with the XYZ color 19.8306, 12.2932,

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

19.8306, 12.2932, 9.3103

Protanopia

12.1656, 12.6123, 14.6252

Deuteranopia

12.6342, 12.4332, 8.7551



Tritanopia

19.2004, 12.2652, 6.3565

Trichromacy



Original Color

19.8306, 12.2932, 9.3103

Protanomaly

13.8401, 11.6025, 12.3365

Deuteranomaly

14.5819, 11.8333, 8.9126

Tritanomaly

19.3308, 12.2327, 7.3035

Monochromacy



Original Color

19.8306, 12.2932, 9.3103

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.0311, 10.9837, 11.1061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8306, 12.2932, 9.3103 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(171, 58, 82)` looks like.

```
.text, #text, p{  
    color:rgb(171, 58, 82)  
}
```

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(171, 58, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 58, 82) }
```

Border

The CSS property to change the border of an element to XYZ 19.8306, 12.2932, 9.3103 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(171, 58, 82) }
```


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

```
.border{ border-color:rgb(171, 58, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 58, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 58, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 58, 82);  
box-shadow:4px 4px 4px 4px rgb(171, 58,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8306, 12.2932, 9.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 58, 82) }
```

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

```
.background{ background-color: rgb(171, 58,  
82) }
```

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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