

Converting Colors

XYZ(19.5991, 12.6616, 12.2684)

Have a look what the booklet for
XYZ(19.5991, 12.6616, 12.2684)
contains.

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Color

**XYZ(19.6817, 12.7138,
12.2431)**

Conversions

Conversions Part 1

Format	Color
Hex	A6415F
RGB	166, 65, 95
RGB Percent	65%, 25%, 37%
CMY	0.3490, 0.7451, 0.6274
CMYK	0.00, 0.61, 0.43, 0.35
HSL	342°, 44%, 45%
HSV	342°, 61%, 65%
XYZ	19.6817, 12.7138, 12.2431
YIQ	98.6190, 50.5660, 30.7420

Conversions

Conversions Part 2

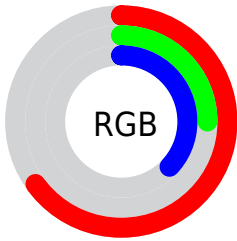
Format	Color
RYB	166, 65, 95
Decimal	10895711
CIELab	42.33, 44.39, 4.03
CIElCh	42, 44.575, 5.193
Yxy	12.7138, 0.4409, 0.2848
Android (android.graphics.Color)	4289085791 (0xFFA6415F)
YUV	98.6190, -1.7842, 59.0931
Hunter-Lab	35.6564, 36.1301, 4.6015

Details

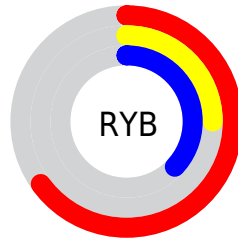
The XYZ color **19.6817, 12.7138, 12.2431** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.2609, 30.1741, 28.0509**, and the grayscale version is **11.7600, 12.3724, 13.4735**.

A 20% lighter version of the original color is **42.2126, 30.6142, 30.4723**, and **7.0282, 3.6236, 3.2347** is the 20% darker color. If you saturate the color by 10%, you get **18.3736, 10.8839, 9.3831**, and if you desaturate by 10%, it is **21.3500, 15.1369, 15.6156**.

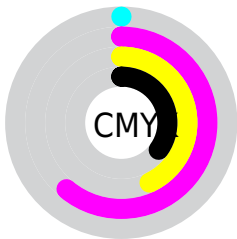
Distribution



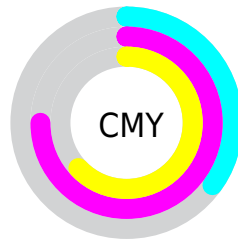
- Red (65%)
- Green (25%)
- Blue (37%)



- Red (65%)
- Yellow (25%)
- Blue (37%)



- Cyan (0%)
- Magenta (61%)
- Yellow (43%)
- Black (35%)



- Cyan (35%)
- Magenta (75%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6817, 12.7138, 12.2431 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 19.6817, 12.7138, 12.2431 by changing the saturation by 10% instead.

■ 19.6817, 12.7138,
12.2431

■ 19.6817, 12.7138,
12.2431

243.0533,
209.0752, 217.0428

■ 12.2708, 7.2318,
6.7849

■ 42.3909, 30.7886,
30.6081

■ 7.0019, 3.6075,
3.2516

■ 58.4199, 44.1502,
44.3520

■ 3.5096, 1.4565,
1.2245

■ 78.0524, 60.9072,
61.6948

■ 1.4286, 0.2578,
0.0000

■ 101.6536, 81.4438,
83.0552

■ 0.2765, 0.0000,
0.0000

■ 129.5889,
106.1445, 108.8517

■ 0.0000, 0.0000,
0.0000

162.2237,

135.3937, 139.5027

199.9234,
169.5758, 175.4269

■ 19.6817, 12.7138,
12.2431

■ 19.6817, 12.7138,
12.2431

■ 18.3736, 10.8839,
9.3831

■ 21.3500, 15.1369,
15.6156

■ 17.3958, 9.5930,
7.0078

■ 23.4031, 18.1970,
19.5246

■ 16.7149, 8.7806,
5.0875

■ 25.8644, 21.9362,
23.9935

■ 16.2866, 8.3313,
3.6888

■ 28.7552, 26.3922,
29.0440

■ 32.0954, 31.6001,
34.6966

■ 35.9033, 37.5926,
40.9706

■ 40.1965, 44.4004,
47.8846

■ 44.9915, 52.0528,
55.4564

■ 50.3040, 60.5773,
63.7030

Harmonies

Analogous

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



18.9076, 12.7138, 23.0915



19.6817, 12.7138, 12.2431



18.1344, 12.7138, 5.7137

Triad

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



19.6817, 12.7138, 12.2431



8.7454, 12.7138, 3.5913



9.5830, 12.7138, 38.1760

Complementary

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



19.6817, 12.7138, 12.2431



20.2609, 30.1741, 28.0509

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.



7.5559, 12.7138, 27.3926



19.6817, 12.7138, 12.2431



7.1384, 12.7138, 7.4673

Square

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



19.6817, 12.7138, 12.2431



11.5116, 12.7138, 2.4127



6.7468, 12.7138, 15.5769



12.6752, 12.7138, 41.4574

Rectangle

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



19.6817, 12.7138, 12.2431



16.1367, 12.7138, 3.5625



6.7468, 12.7138, 15.5769



8.7740, 12.7138, 35.1246

Sweetspot

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



19.6820, 12.7145, 12.2433



53.6290, 50.1370, 55.1785



18.8785, 11.7437, 37.3480



11.6392, 10.6577, 11.7281



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.6820, 12.7145, 12.2433



32.6569, 18.8230, 15.4157



19.9448, 15.0180, 6.8495



7.6194, 7.5776, 8.3129



12.6479, 6.4679, 2.9573



0.3299, 0.1662, 0.1887

Inverse Universe

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



19.6820, 12.7145, 12.2433



32.6569, 18.8230, 15.4157



19.3115, 24.3736, 39.7630



7.6194, 7.5776, 8.3129



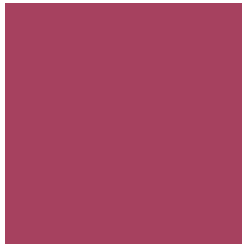
12.6479, 6.4679, 2.9573



0.3299, 0.1662, 0.1887

Previews

White Background



This preview shows how the XYZ color 19.6817, 12.7138, 12.2431 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 19.6817, 12.7138, 12.2431 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 19.6817, 12.7138, 12.2431

Background



This preview shows how black text looks on a background with the XYZ color 19.6817, 12.7138, 12.2431.



This preview shows how white text looks on a background with the XYZ color 19.6817, 12.7138,

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

19.6817, 12.7138, 12.2431

Protanopia

12.6887, 12.9488, 18.0503

Deuteranopia

13.0596, 12.8650, 11.4677



Tritanopia

18.8812, 12.7500, 7.9444

Trichromacy



Original Color

19.6817, 12.7138, 12.2431

Protanomaly

14.2833, 12.1101, 15.7720

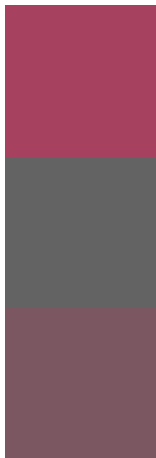
Deuteranomaly

14.8531, 12.2563, 11.7081

Tritanomaly

19.1072, 12.7428, 9.4352

Monochromacy



Original Color

19.6817, 12.7138, 12.2431

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.7812, 11.9092, 13.1276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6817, 12.7138, 12.2431 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(166, 65, 95)` looks like.

```
.text, #text, p{  
    color:rgb(166, 65, 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(166, 65, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 65, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.6817, 12.7138, 12.2431 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(166, 65, 95) }
```


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

```
.border{ border-color:rgb(166, 65, 95) }
```

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

Here you see how a box with a 4 pixel rgb(166, 65, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 65, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 65, 95);  
box-shadow:4px 4px 4px 4px rgb(166, 65,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6817, 12.7138, 12.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 65, 95) }
```

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

```
.background{ background-color: rgb(166, 65,  
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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