

Converting Colors

XYZ(19.3016, 12.8384, 7.0218)

Have a look what the booklet for
XYZ(19.3016, 12.8384, 7.0218)
contains.

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Color

**XYZ(19.2298, 12.7688,
7.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	A84345
RGB	168, 67, 69
RGB Percent	66%, 26%, 27%
CMY	0.3412, 0.7372, 0.7294
CMYK	0.00, 0.60, 0.59, 0.34
HSL	359°, 43%, 46%
HSV	359°, 60%, 66%
XYZ	19.2298, 12.7688, 7.0813
YIQ	97.4270, 59.5540, 22.0340

Conversions

Conversions Part 2

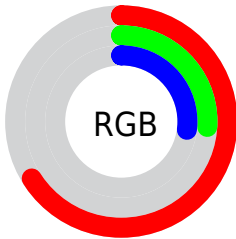
Format	Color
RYB	168, 67, 69
Decimal	11027269
CIELab	42.41, 41.75, 20.28
CIElCh	42, 46.414, 25.912
Yxy	12.7688, 0.4921, 0.3267
Android (android.graphics.Color)	4289217349 (0xFFA84345)
YUV	97.4270, -14.0145, 61.8925
Hunter-Lab	35.7335, 33.5254, 13.2639

Details

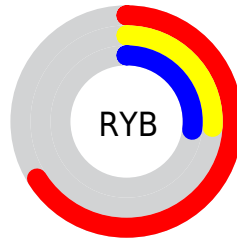
The XYZ color **19.2298, 12.7688, 7.0813** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.2012, 31.9521, 41.0235**, and the grayscale version is **11.4911, 12.0896, 13.1655**.

A 20% lighter version of the original color is **41.4863, 30.8089, 20.5898**, and **6.7254, 3.6067, 1.3190** is the 20% darker color. If you saturate the color by 10%, you get **17.9297, 10.8764, 4.4664**, and if you desaturate by 10%, it is **20.9621, 15.2987, 10.5404**.

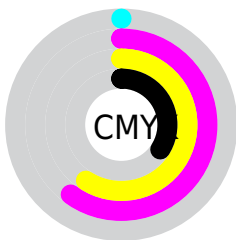
Distribution



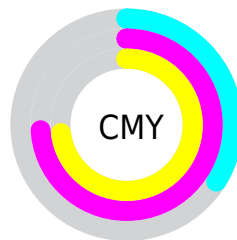
- Red (66%)
- Green (26%)
- Blue (27%)



- Red (66%)
- Yellow (26%)
- Blue (27%)



- Cyan (0%)
- Magenta (60%)
- Yellow (59%)
- Black (34%)



- Cyan (34%)
- Magenta (74%)
- Yellow (73%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2298, 12.7688, 7.0813 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 19.2298, 12.7688, 7.0813 by changing the saturation by 10% instead.

■ 19.2298, 12.7688,
7.0813

■ 19.2298, 12.7688,
7.0813

240.6283,
209.4306, 177.9940

■ 11.9414, 7.2695,
3.4338

■ 41.6359, 30.8878,
20.6522

■ 6.7757, 3.6312,
1.3202

■ 57.4844, 44.2763,
31.4127

■ 3.3673, 1.4695,
0.0782

■ 76.9169, 61.0634,
45.3813

■ 1.3509, 0.2671,
0.0000

■ 100.2989, 81.6334,
62.9764

■ 0.2208, 0.0000,
0.0000

■ 127.9957,
106.3707, 84.6168

■ 0.0000, 0.0000,
0.0000

160.3726,

135.6597, 110.7208

197.7950,
169.8849, 141.7070

■ 19.2298, 12.7688,
7.0813

■ 19.2298, 12.7688,
7.0813

■ 17.9297, 10.8764,
4.4664

■ 20.9621, 15.2987,
10.5404

■ 17.0230, 9.5630,
2.6228

■ 23.1591, 18.5139,
14.9069

■ 16.4655, 8.7627,
1.4666

■ 25.8512, 22.4598,
20.2387

■ 16.1666, 8.3321,
0.8515

■ 29.0662, 27.1777,
26.5888

■ 32.8297, 32.7054,
34.0062

■ 37.1654, 39.0785,
42.5370

■ 42.0959, 46.3304,
52.2242

■ 47.6425, 54.4927,
63.1090

■ 53.8255, 63.5953,
75.2301

Harmonies

Analogous

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



20.1376, 12.7688, 15.3190



19.2298, 12.7688, 7.0813



16.3002, 12.7688, 3.2867

Triad

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



19.2298, 12.7688, 7.0813



7.3832, 12.7688, 5.6728



11.6641, 12.7688, 43.2407

Complementary

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



19.2298, 12.7688, 7.0813



23.2012, 31.9521, 41.0235

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.



8.7499, 12.7688, 36.6715



19.2298, 12.7688, 7.0813



6.5972, 12.7688, 12.5772

Square

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



19.2298, 12.7688, 7.0813



9.4333, 12.7688, 2.7901



7.0450, 12.7688, 24.1081



15.3120, 12.7688, 39.3503

Rectangle

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



19.2298, 12.7688, 7.0813



13.8445, 12.7688, 2.3512



7.0450, 12.7688, 24.1081



10.5748, 12.7688, 42.1228

Sweetspot

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



19.2301, 12.7695, 7.0815



53.8900, 50.9990, 50.5076



24.5163, 14.8022, 38.6107



11.3569, 10.5448, 10.2416



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.



19.2301, 12.7695, 7.0815



31.9345, 18.8636, 6.8867



23.1944, 20.7956, 8.1026



7.5369, 7.5446, 7.8785



12.2107, 6.2930, 0.6550



0.2989, 0.1538, 0.0255

Inverse Universe

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



19.2301, 12.7695, 7.0815



31.9345, 18.8636, 6.8867



16.2045, 17.6637, 39.6011



7.5369, 7.5446, 7.8785



12.2107, 6.2930, 0.6550



0.2989, 0.1538, 0.0255

Previews

White Background



This preview shows how the XYZ color 19.2298, 12.7688, 7.0813 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 19.2298, 12.7688, 7.0813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

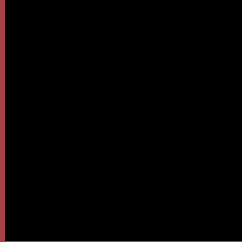
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2298, 12.7688, 7.0813

Background



This preview shows how black text looks on a background with the XYZ color 19.2298, 12.7688, 7.0813.



This preview shows how white text looks on a background with the XYZ color 19.2298, 12.7688,

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

19.2298, 12.7688, 7.0813

Protanopia

12.3173, 13.0733, 10.2617

Deuteranopia

13.1343, 12.8735, 6.6431



Tritanopia

19.2929, 12.7941, 7.4139

Trichromacy



Original Color

19.2298, 12.7688, 7.0813

Protanomaly

14.0369, 12.3764, 9.0462

Deuteranomaly

14.8793, 12.3793, 6.7595

Tritanomaly

19.2611, 12.7813, 7.2462

Monochromacy



Original Color

19.2298, 12.7688, 7.0813

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2165, 11.5547, 10.5505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2298, 12.7688, 7.0813 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(168, 67, 69)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 69)  
}
```

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(168, 67, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 69) }
```

Border

The CSS property to change the border of an element to XYZ 19.2298, 12.7688, 7.0813 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(168, 67, 69) }
```


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

```
.border{ border-color:rgb(168, 67, 69) }
```

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

Here you see how a box with a 4 pixel rgb(168, 67, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 69);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2298, 12.7688, 7.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 69) }
```

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

```
.background{ background-color: rgb(168, 67,  
69) }
```

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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