

Converting Colors

XYZ(20.0675, 12.3660, 9.1719)

Have a look what the booklet for
XYZ(20.0675, 12.3660, 9.1719)
contains.

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Color

**XYZ(19.9616, 12.2910,
9.1049)**

Conversions

Conversions Part 1

Format	Color
Hex	AC3951
RGB	172, 57, 81
RGB Percent	67%, 22%, 32%
CMY	0.3255, 0.7764, 0.6824
CMYK	0.00, 0.67, 0.53, 0.33
HSL	347°, 50%, 45%
HSV	347°, 67%, 67%
XYZ	19.9616, 12.2910, 9.1049
YIQ	94.1210, 60.8360, 31.8440

Conversions

Conversions Part 2

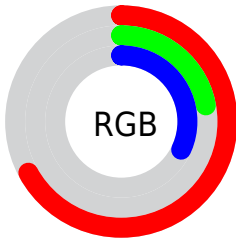
Format	Color
R_{YB}	172, 57, 81
Decimal	11286865
CIE _{Lab}	41.67, 48.61, 11.98
CIE _{LCh}	42, 50.061, 13.847
Yxy	12.2910, 0.4827, 0.2972
Android (android.graphics.Color)	4289476945 (0xFFAC3951)
YUV	94.1210, -6.4687, 68.2999
Hunter-Lab	35.0585, 40.2818, 9.1430

Details

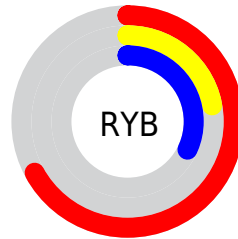
The XYZ color **19.9616, 12.2910, 9.1049** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.7860, 32.5133, 33.1471**, and the grayscale version is **10.6733, 11.2291, 12.2285**.

A 20% lighter version of the original color is **42.9924, 30.1364, 24.6700**, and **7.2734, 3.7110, 2.0832** is the 20% darker color. If you saturate the color by 10%, you get **18.7904, 10.6852, 6.4437**, and if you desaturate by 10%, it is **21.5238, 14.5151, 12.4014**.

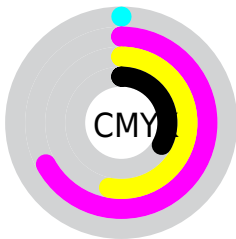
Distribution



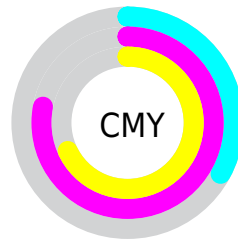
- Red (67%)
- Green (22%)
- Blue (32%)



- Red (67%)
- Yellow (22%)
- Blue (32%)



- Cyan (0%)
- Magenta (67%)
- Yellow (53%)
- Black (33%)



- Cyan (33%)
- Magenta (78%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9616, 12.2910, 9.1049 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 19.9616, 12.2910, 9.1049 by changing the saturation by 10% instead.

■ 19.9616, 12.2910,
9.1049

■ 19.9616, 12.2910,
9.1049

244.5447,
206.3224, 194.4053

■ 12.4752, 6.9422,
4.7119

■ 42.8572, 30.0240,
24.6787

■ 7.1427, 3.4260,
2.0235

■ 58.9972, 43.1770,
36.6965

■ 3.5986, 1.3580,
0.5697

■ 78.7524, 59.7001,
52.0931

■ 1.4777, 0.1854,
0.0000

■ 102.4882, 79.9779,
71.2869

■ 0.3106, 0.0000,
0.0000

■ 130.5700,
104.3946, 94.6964

■ 0.0000, 0.0000,
0.0000

■ 163.3631,

133.3346, 122.7404

201.2329,
167.1824, 155.8371

■ 19.9616, 12.2910,
9.1049

■ 19.9616, 12.2910,
9.1049

■ 18.7904, 10.6852,
6.4437

■ 21.5238, 14.5151,
12.4014

■ 17.9725, 9.6322,
4.3747

■ 23.5078, 17.4101,
16.3711

■ 17.4577, 9.0424,
2.8476

■ 25.9426, 21.0253,
21.0495

■ 17.3299, 8.8973,
2.4641

■ 28.8540, 25.4049,
26.4692

■ 32.2661, 30.5894,
32.6611

■ 36.2010, 36.6165,
39.6541

■ 40.6800, 43.5216,
47.4755

■ 45.7226, 51.3379,
56.1515

■ 51.3478, 60.0969,
65.7071

Harmonies

Analogous

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



19.8567, 12.2910, 19.8301



19.9616, 12.2910, 9.1049



17.5469, 12.2910, 3.6966

Triad

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



19.9616, 12.2910, 9.1049



7.4436, 12.2910, 3.4580



9.8268, 12.2910, 43.6976

Complementary

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



19.9616, 12.2910, 9.1049



21.7860, 32.5133, 33.1471

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.



7.2959, 12.2910, 32.8349



19.9616, 12.2910, 9.1049



6.1301, 12.2910, 8.5106

Square

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



19.9616, 12.2910, 9.1049



10.0733, 12.2910, 1.7878



6.0824, 12.2910, 18.8264



13.4540, 12.2910, 44.1626

Rectangle

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



19.9616, 12.2910, 9.1049



15.0772, 12.2910, 2.2037



6.0824, 12.2910, 18.8264



8.8395, 12.2910, 40.9588

Sweetspot

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



19.9619, 12.2917, 9.1051



56.2619, 52.0294, 55.1556



20.9577, 12.1164, 40.2637



11.8611, 10.7512, 11.3228



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.



19.9619, 12.2917, 9.1051



33.3343, 18.3933, 9.8434



21.3734, 16.3092, 5.8933



8.0711, 8.0417, 8.6851



12.9132, 6.6278, 1.9222



0.3784, 0.1921, 0.1546

Inverse Universe

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



19.9619, 12.2917, 9.1051



33.3343, 18.3933, 9.8434



18.4275, 22.4353, 42.3888



8.0711, 8.0417, 8.6851



12.9132, 6.6278, 1.9222



0.3784, 0.1921, 0.1546

Previews

White Background



This preview shows how the XYZ color 19.9616, 12.2910, 9.1049 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 19.9616, 12.2910, 9.1049 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 19.9616, 12.2910, 9.1049

Background



This preview shows how black text looks on a background with the XYZ color 19.9616, 12.2910, 9.1049.



This preview shows how white text looks on a background with the XYZ color 19.9616, 12.2910,

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

19.9616, 12.2910, 9.1049

Protanopia

12.1156, 12.5923, 14.3624

Deuteranopia

12.6983, 12.4743, 8.3951



Tritanopia

19.3359, 12.2598, 6.1978

Trichromacy



Original Color

19.9616, 12.2910, 9.1049

Protanomaly

13.7949, 11.5844, 12.0986

Deuteranomaly

14.5985, 11.7390, 8.5176

Tritanomaly

19.4640, 12.2281, 7.1287

Monochromacy



Original Color

19.9616, 12.2910, 9.1049

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.7716, 10.7437, 10.8518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9616, 12.2910, 9.1049 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(172, 57, 81)` looks like.

```
.text, #text, p{  
    color:rgb(172, 57, 81)  
}
```

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(172, 57, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 57, 81) }
```

Border

The CSS property to change the border of an element to XYZ 19.9616, 12.2910, 9.1049 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(172, 57, 81) }
```


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

```
.border{ border-color:rgb(172, 57, 81) }
```

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

Here you see how a box with a 4 pixel rgb(172, 57, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 57, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 57, 81);  
box-shadow:4px 4px 4px 4px rgb(172, 57,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9616, 12.2910, 9.1049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 57, 81) }
```

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

```
.background{ background-color: rgb(172, 57,  
81) }
```

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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