

Converting Colors

XYZ(19.3911, 15.9596, 29.4663)

Have a look what the booklet for
XYZ(19.3911, 15.9596, 29.4663)
contains.

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Color

**XYZ(19.4012, 16.0168,
29.6728)**

Conversions

Conversions Part 1

Format	Color
Hex	856393
RGB	133, 99, 147
RGB Percent	52%, 39%, 58%
CMY	0.4784, 0.6118, 0.4235
CMYK	0.10, 0.33, 0.00, 0.42
HSL	283°, 20%, 48%
HSV	283°, 33%, 58%
XYZ	19.4012, 16.0168, 29.6728
YIQ	114.6380, 4.8560, 22.1360

Conversions

Conversions Part 2

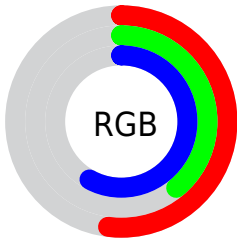
Format	Color
R_{YB}	133, 99, 147
Decimal	8741779
CIE _{Lab}	47.00, 22.86, -21.05
CIE _{LCh}	47, 31.077, 317.358
Yxy	16.0168, 0.2981, 0.2461
Android (android.graphics.Color)	4286931859 (0xFF856393)
YUV	114.6380, 15.9545, 16.1035
Hunter-Lab	40.0210, 16.4957, -15.9447

Details

The XYZ color **19.4012, 16.0168, 29.6728** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4964, 25.2794, 15.6569**, and the grayscale version is **16.1390, 16.9794, 18.4906**.

A 20% lighter version of the original color is **41.9425, 36.5945, 60.1112**, and **6.9066, 5.1395, 11.6943** is the 20% darker color. If you saturate the color by 10%, you get **17.4703, 13.1391, 29.2194**, and if you desaturate by 10%, it is **21.6143, 19.4171, 30.2127**.

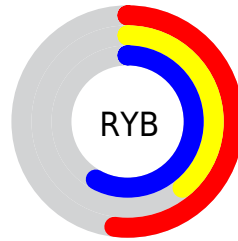
Distribution



Red (52%)

Green (39%)

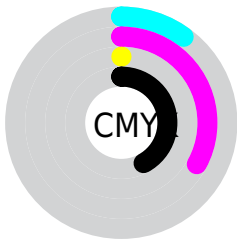
Blue (58%)



Red (52%)

Yellow (39%)

Blue (58%)

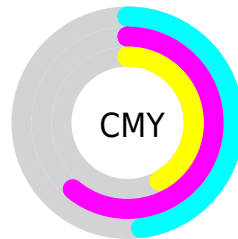


Cyan (10%)

Magenta (33%)

Yellow (0%)

Black (42%)



Cyan (48%)

Magenta (61%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4012, 16.0168, 29.6728 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 19.4012, 16.0168, 29.6728 by changing the saturation by 10% instead.

■ 19.4012, 16.0168,
29.6728

■ 19.4012, 16.0168,
29.6728

241.5506,
229.4408, 314.5360

■ 12.0663, 9.5360,
19.3404

■ 41.9226, 36.6274,
60.1992

■ 6.8613, 5.0924,
11.7372

■ 57.8398, 51.5260,
81.2303

■ 3.4211, 2.3016,
6.4446

■ 77.3484, 69.9993,
106.6648

■ 1.3802, 0.7746,
3.0442

■ 100.8138, 92.4318,
136.9211

■ 0.2420, 0.0000,
1.1172

128.6013,
119.2078, 172.4179

■ 0.0000, 0.0000,
0.0000

161.0764,

150.7117, 213.5736

198.6044,
187.3279, 260.8068

■ 19.4012, 16.0168,
29.6728

■ 19.4012, 16.0168,
29.6728

■ 17.4703, 13.1391,
29.2194

■ 21.6143, 19.4171,
30.2127

■ 15.8059, 10.7543,
28.8468

■ 24.1211, 23.3637,
30.8424

■ 14.3931, 8.8328,
28.5503

■ 26.9343, 27.8810,
31.5660

■ 13.2149, 7.3407,
28.3244

■ 30.0653, 32.9916,
32.3874

■ 12.2518, 6.2398,
28.1627

■ 33.5251, 38.7167,
33.3102

■ 11.4807, 5.4844,
28.0576

■ 37.3238, 45.0765,
34.3375

■ 10.9901, 5.0572,
28.0009

■ 41.4714, 52.0902,
35.4727

■ 45.9773, 59.7764,
36.7188

■ 50.8505, 68.1526,
38.0787

Harmonies

Analogous

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



16.8367, 16.0168, 35.9846



19.4012, 16.0168, 29.6728



20.9145, 16.0168, 20.9253

Triad

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



19.4012, 16.0168, 29.6728



16.3964, 16.0168, 6.5314



10.7597, 16.0168, 22.2976

Complementary

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



19.4012, 16.0168, 29.6728



19.4964, 25.2794, 15.6569

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.



10.6716, 16.0168, 14.3641



19.4012, 16.0168, 29.6728



13.7167, 16.0168, 6.6984

Square

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



19.4012, 16.0168, 29.6728



19.0459, 16.0168, 8.5830



11.6932, 16.0168, 9.1374



11.9501, 16.0168, 30.9314

Rectangle

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



19.4012, 16.0168, 29.6728



21.0181, 16.0168, 15.5919



11.6932, 16.0168, 9.1374



10.6057, 16.0168, 19.4277

Sweetspot

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



19.4017, 16.0175, 29.6732



44.3779, 43.7233, 55.5351



16.3625, 16.6596, 29.9573



9.9888, 9.7549, 12.6412



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.4017, 16.0175, 29.6732



32.2223, 24.9066, 52.5437



21.0390, 16.9450, 25.9799



5.8722, 5.8251, 7.2846



9.5531, 4.3974, 24.2763



0.1463, 0.0690, 0.2985

Inverse Universe

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



19.4756, 16.3196, 17.7469



32.4885, 25.6000, 27.4322



18.3187, 24.6160, 18.1419



5.8662, 5.8416, 6.4018



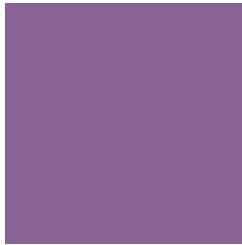
10.8174, 5.5320, 2.5196



0.1440, 0.0723, 0.0918

Previews

White Background



This preview shows how the XYZ color 19.4012, 16.0168, 29.6728 looks on a white background.

Color Contrast Check

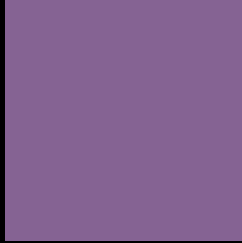
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4012, 16.0168, 29.6728 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 19.4012, 16.0168, 29.6728

Background



This preview shows how black text looks on a background with the XYZ color 19.4012, 16.0168, 29.6728.



This preview shows how white text looks on a background with the XYZ color 19.4012, 16.0168,

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

19.4012, 16.0168, 29.6728

Protanopia

16.5293, 16.1151, 33.2497

Deuteranopia

16.5125, 16.1995, 29.0446



Tritanopia

17.0934, 16.1122, 18.1286

Trichromacy



Original Color

19.4012, 16.0168, 29.6728

Protanomaly

17.3771, 15.9546, 31.8694

Deuteranomaly

17.4126, 16.0282, 29.3701

Tritanomaly

17.8221, 15.9527, 21.8785

Monochromacy



Original Color

19.4012, 16.0168, 29.6728

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3254, 16.6072, 22.3710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4012, 16.0168, 29.6728 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(133, 99, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 99, 147)  
}
```

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(133, 99, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 99, 147) }
```

Border

The CSS property to change the border of an element to XYZ 19.4012, 16.0168, 29.6728 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(133, 99, 147) }
```


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

```
.border{ border-color:rgb(133, 99, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 99, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 99, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 99, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 99,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4012, 16.0168, 29.6728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 99, 147) }
```

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

```
.background{ background-color: rgb(133, 99,  
147) }
```

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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