

Converting Colors

XYZ(19.3456, 9.3120, 30.7703)

Have a look what the booklet for
XYZ(19.3456, 9.3120, 30.7703)
contains.

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Color

**XYZ(19.4601, 9.3678,
30.9195)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0099
RGB	156, 0, 153
RGB Percent	61%, 0%, 60%
CMY	0.3882, 0.9999, 0.4000
CMYK	0.00, 1.00, 0.02, 0.39
HSL	301°, 100%, 31%
HSV	301°, 100%, 61%
XYZ	19.4601, 9.3678, 30.9195
YIQ	64.0860, 43.8630, 80.6550

Conversions

Conversions Part 2

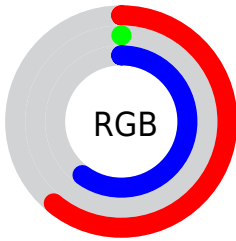
Format	Color
RYB	156, 0, 153
Decimal	10223769
CIELab	36.68, 67.61, -40.63
CIElCh	37, 78.879, 329.000
Yxy	9.3678, 0.3257, 0.1568
Android (android.graphics.Color)	4288413849 (0xFF9C0099)
YUV	64.0860, 43.8346, 80.6086
Hunter-Lab	30.6069, 59.9298, -38.4708

Details

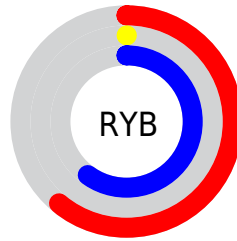
The XYZ color **19.4601, 9.3678, 30.9195** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.9054, 23.7841, 4.0498**, and the grayscale version is **4.8191, 5.0700, 5.5213**.

A 20% lighter version of the original color is **41.9854, 24.5875, 62.2075**, and **7.6045, 3.6489, 12.6154** is the 20% darker color. If you saturate the color by 10%, you get **19.4603, 9.3680, 30.9195**, and if you desaturate by 10%, it is **19.6648, 9.7371, 31.1102**.

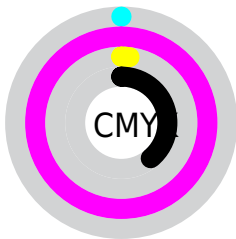
Distribution



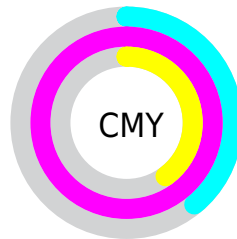
- Red (61%)
- Green (0%)
- Blue (60%)



- Red (61%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (39%)





- Cyan (39%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4601, 9.3678, 30.9195 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 19.4601, 9.3678, 30.9195 by changing the saturation by 10% instead.


 19.4601, 9.3678,
30.9195


 19.4601, 9.3678,
30.9195


241.8668,
186.0985, 320.5070

 12.1092, 4.9819,
20.2796


 42.0210, 24.5994,
62.1914

 6.8908, 2.2366,
12.4124


 57.9617, 36.2139,
83.6605


 3.4396, 0.7398,
6.8992


 77.4964, 51.0066,
109.5764

 1.3903, 0.0000,
3.3217

 100.9904, 69.3620,
140.3576

 0.2493, 0.0000,
1.2611

 128.8091, 91.6645,
176.4228

 0.0000, 0.0000,
0.0296

 161.3178,

 0.0000, 0.0000,

118.2985, 218.1904

0.0000

198.8819,
149.6483, 266.0789

■ 19.4601, 9.3678,
30.9195

■ 19.4601, 9.3678,
30.9195

■ 19.4603, 9.3680,
30.9195

■ 19.6648, 9.7371,
31.1102

■ 20.0056, 10.3790,
31.3466

■ 20.5441, 11.4160,
31.6492

■ 21.3052, 12.8982,
32.0263

■ 22.3104, 14.8686,
32.4851

■ 23.5787, 17.3648,
33.0318

■ 25.1269, 20.4209,
33.6722

■ 26.9708, 24.0682,
34.4115

■ 29.1247, 28.3356,
35.2544

Harmonies

Analogous

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



14.2022, 9.3678, 55.5620



19.4601, 9.3678, 30.9195



21.7759, 9.3678, 10.6706

Triad

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



19.4601, 9.3678, 30.9195



9.0667, 9.3678, 0.0000



3.0045, 9.3678, 29.2678

Complementary

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



19.4601, 9.3678, 30.9195



11.9054, 23.7841, 4.0498

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.



2.4757, 9.3678, 9.7433



19.4601, 9.3678, 30.9195



5.1205, 9.3678, 0.0000

Square

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



19.4601, 9.3678, 30.9195



14.5884, 9.3678, 0.0000



3.0836, 9.3678, 1.7226



4.9290, 9.3678, 54.1389

Rectangle

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



19.4601, 9.3678, 30.9195



20.8735, 9.3678, 3.7640



3.0836, 9.3678, 1.7226



2.6968, 9.3678, 21.5278

Sweetspot

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



19.4605, 9.3682, 30.9197



45.4527, 36.7256, 61.0823



6.0337, 2.4175, 31.6017



9.7493, 7.5830, 13.3373



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.4605, 9.3682, 30.9197



35.3360, 17.0110, 56.1108



14.9947, 7.5819, 7.4031



6.8987, 6.7524, 8.3174



16.0306, 7.7168, 25.4759



0.2882, 0.1386, 0.4637

Inverse Universe

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



19.4605, 9.3682, 30.9197



35.3360, 17.0110, 56.1108



13.3593, 24.3656, 11.7064



6.8987, 6.7524, 8.3174



16.0306, 7.7168, 25.4759



0.2882, 0.1386, 0.4637

Previews

White Background



This preview shows how the XYZ color 19.4601, 9.3678, 30.9195 looks on a white background.

Color Contrast Check

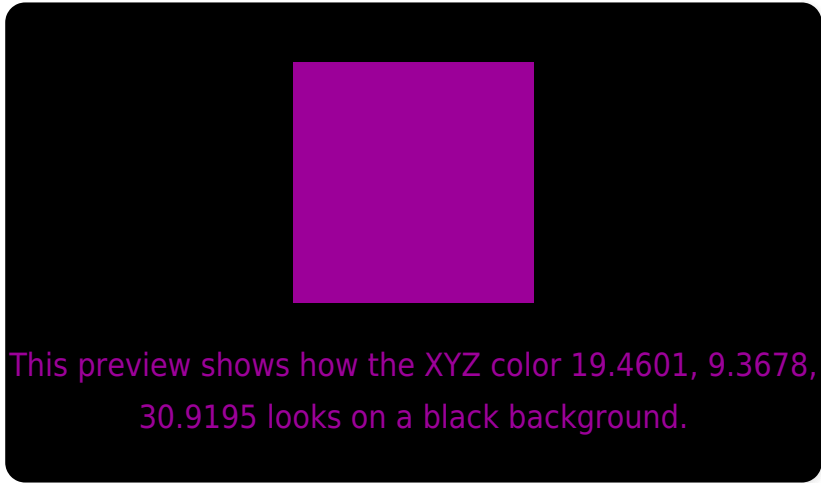
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

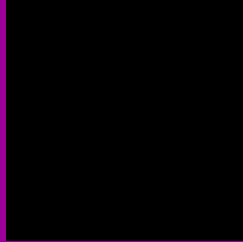
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4601, 9.3678, 30.9195

Background



This preview shows how black text looks on a background with the XYZ color 19.4601, 9.3678, 30.9195.



This preview shows how white text looks on a background with the XYZ color 19.4601, 9.3678,

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

19.4601, 9.3678, 30.9195

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.2373, 9.9991, 27.7760



Tritanopia

14.5739, 9.8049, 5.9749

Trichromacy



Original Color

19.4601, 9.3678, 30.9195



Protanomaly

10.4042, 6.5425, 39.2425



Deuteranomaly

11.1432, 7.3082, 28.4271



Tritanomaly

15.3821, 8.7148, 11.9377

Monochromacy



Original Color

19.4601, 9.3678, 30.9195



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.8340, 4.9718, 11.6131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4601, 9.3678, 30.9195 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(156, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 153)  
}
```

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(156, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.4601, 9.3678, 30.9195 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(156, 0, 153) }
```


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

```
.border{ border-color:rgb(156, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4601, 9.3678, 30.9195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 153) }
```

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

```
.background{ background-color: rgb(156, 0,  
153) }
```

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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