

Converting Colors

XYZ(19.0899, 9.2097, 29.4240)

Have a look what the booklet for
XYZ(19.0899, 9.2097, 29.4240)
contains.

XYZ(19.2153, 9.2699, 29.6307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(19.2153, 9.2699,
29.6307)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0096
RGB	156, 0, 150
RGB Percent	61%, 0%, 59%
CMY	0.3882, 0.9999, 0.4118
CMYK	0.00, 1.00, 0.04, 0.39
HSL	302°, 100%, 31%
HSV	302°, 100%, 61%
XYZ	19.2153, 9.2699, 29.6307
YIQ	63.7440, 44.8260, 79.7220

Conversions

Conversions Part 2

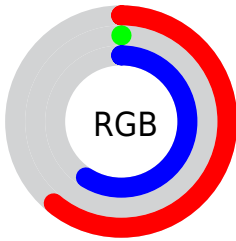
Format	Color
RYB	156, 0, 150
Decimal	10223766
CIELab	36.50, 67.17, -39.09
CIELCh	36, 77.713, 329.801
Yxy	9.2699, 0.3306, 0.1595
Android (android.graphics.Color)	4288413846 (0xFF9C0096)
YUV	63.7440, 42.5242, 80.9085
Hunter-Lab	30.4465, 59.3729, -36.3888

Details

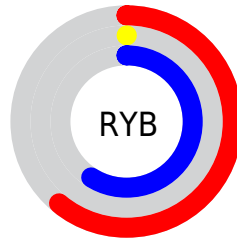
The XYZ color **19.2153, 9.2699, 29.6307** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.9217, 23.7905, 4.1364**, and the grayscale version is **4.7702, 5.0186, 5.4653**.

A 20% lighter version of the original color is **41.6197, 24.4412, 60.2816**, and **7.4601, 3.5912, 11.8552** is the 20% darker color. If you saturate the color by 10%, you get **19.2155, 9.2700, 29.6306**, and if you desaturate by 10%, it is **19.4436, 9.6487, 29.9459**.

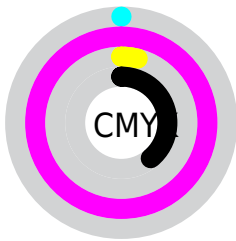
Distribution



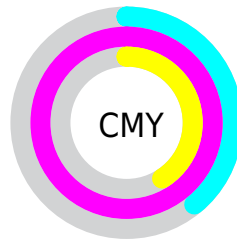
- Red (61%)
- Green (0%)
- Blue (59%)



- Red (61%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2153, 9.2699, 29.6307 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 19.2153, 9.2699, 29.6307 by changing the saturation by 10% instead.

19.2153, 9.2699,
29.6307

19.2153, 9.2699,
29.6307

240.5501,
185.3788, 314.3328

11.9309, 4.9176,
19.3088

41.6117, 24.4129,
60.1317

6.7685, 2.1990,
11.7145

57.4543, 35.9724,
81.1480

3.3628, 0.7195,
6.4294

76.8804, 50.7031,
106.5660

1.3484, 0.0000,
3.0349

100.2553, 68.9895,
136.8044

0.2190, 0.0000,
1.1125

127.9444, 91.2158,
172.2818

0.0000, 0.0000,
0.0000

160.3130,

117.7665, 213.4166

197.7264,
149.0261, 260.6274

■ 19.2153, 9.2699,
29.6307

■ 19.2153, 9.2699,
29.6307

■ 19.2155, 9.2700,
29.6306

■ 19.4436, 9.6487,
29.9459

■ 19.8083, 10.3001,
30.3077

■ 20.3708, 11.3467,
30.7367

■ 21.1561, 12.8387,
31.2412

■ 22.1858, 14.8189,
31.8284

■ 23.4786, 17.3250,
32.5045

■ 25.0516, 20.3911,
33.2752

■ 26.9204, 24.0484,
34.1458

■ 29.0995, 28.3259,
35.1211

Harmonies

Analogous

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



14.1359, 9.2699, 53.6340



19.2153, 9.2699, 29.6307



21.3624, 9.2699, 10.1841

Triad

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



19.2153, 9.2699, 29.6307



8.8424, 9.2699, 0.0000



3.0479, 9.2699, 29.3105

Complementary

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



19.2153, 9.2699, 29.6307



11.9217, 23.7905, 4.1364

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.



2.4939, 9.2699, 10.0031



19.2153, 9.2699, 29.6307



5.0256, 9.2699, 0.0000

Square

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



19.2153, 9.2699, 29.6307



14.2110, 9.2699, 0.0000



3.0635, 9.2699, 1.8509



4.9880, 9.2699, 53.3589

Rectangle

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



19.2153, 9.2699, 29.6307



20.4085, 9.2699, 3.5998



3.0635, 9.2699, 1.8509



2.7324, 9.2699, 21.7094

Sweetspot

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



19.2157, 9.2703, 29.6309



45.3131, 36.6698, 60.3472



6.0663, 2.4343, 31.6030



9.7147, 7.5691, 13.1552



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.



19.2157, 9.2703, 29.6309



34.8830, 16.8298, 53.7256



14.9069, 7.5468, 6.9411



6.8931, 6.7502, 8.2883



15.8305, 7.6368, 24.4221



0.2861, 0.1378, 0.4527

Inverse Universe

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



19.2157, 9.2703, 29.6309



34.8830, 16.8298, 53.7256



13.4581, 24.4050, 12.2270



6.8931, 6.7502, 8.2883



15.8305, 7.6368, 24.4221



0.2861, 0.1378, 0.4527

Previews

White Background



This preview shows how the XYZ color 19.2153, 9.2699, 29.6307 looks on a white background.

Color Contrast Check

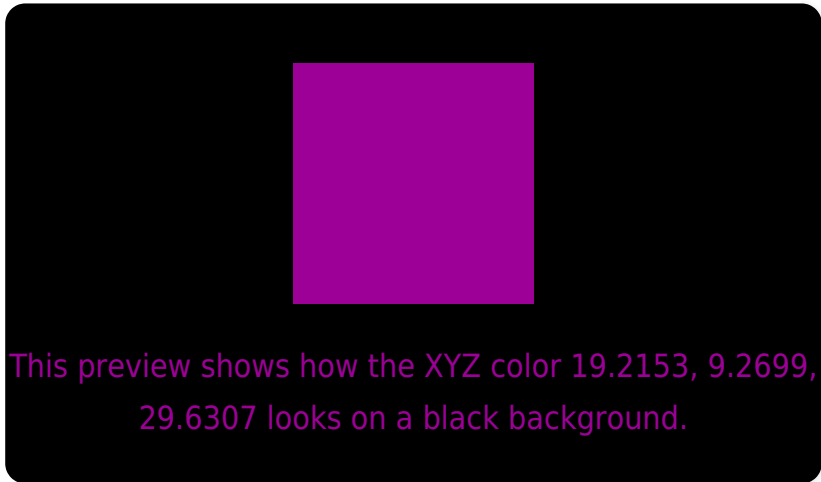
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2153, 9.2699, 29.6307

Background



This preview shows how black text looks on a background with the XYZ color 19.2153, 9.2699, 29.6307.



This preview shows how white text looks on a background with the XYZ color 19.2153, 9.2699,

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

19.2153, 9.2699, 29.6307

Deuteranopia

10.1837, 9.9977, 26.5923

Tritanopia

14.4938, 9.6899, 5.8090

Trichromacy



Original Color

19.2153, 9.2699, 29.6307

Deuteranomaly

11.1133, 7.3196, 27.2126

Tritanomaly

15.3363, 8.6965, 11.6967

Monochromacy



Original Color

19.2153, 9.2699, 29.6307

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.7883, 4.9535, 11.3721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2153, 9.2699, 29.6307 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.2153, 9.2699, 29.6307 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, 150) }
```

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

```
.border{ border-color:rgb(156, 0, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
150) }
```


Background

The CSS property to change the background color of an element to XYZ 19.2153, 9.2699, 29.6307 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, 150) }
```

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

```
.background{ background-color: rgb(156, 0,  
150) }
```

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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