

Converting Colors

XYZ(24.3155, 11.8604, 31.6198)

Have a look what the booklet for
XYZ(24.3155, 11.8604, 31.6198)
contains.

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Color

**XYZ(24.4231, 11.9168,
31.5848)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B3009A |
| RGB | 179, 0, 154 |
| RGB Percent | 70%, 0%, 60% |
| CMY | 0.2980, 0.9999, 0.3961 |
| CMYK | 0.00, 1.00, 0.14, 0.30 |
| HSL | 308°, 100%, 35% |
| HSV | 308°, 100%, 70% |
| XYZ | 24.4231, 11.9168, 31.5848 |
| YIQ | 71.0770, 57.2500, 85.8420 |

Conversions

Conversions Part 2

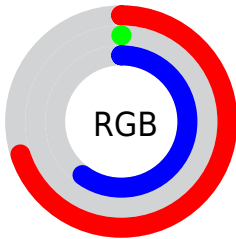
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 179, 0, 154 |
| Decimal | 11731098 |
| CIELab | 41.08, 71.83, -33.97 |
| CIELCh | 41, 79.456, 334.685 |
| Yxy | 11.9168, 0.3596, 0.1754 |
| Android (android.graphics.Color) | 4289921178 (0xFFB3009A) |
| YUV | 71.0770, 40.8810, 94.6485 |
| Hunter-Lab | 34.5207, 65.8759, -30.0830 |

Details

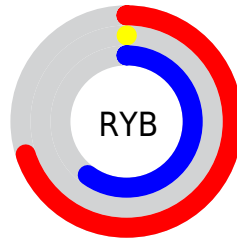
The XYZ color **24.4231, 11.9168, 31.5848** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.2962, 32.3108, 6.2988**, and the grayscale version is **5.9309, 6.2398, 6.7951**.

A 20% lighter version of the original color is **50.3537, 29.4512, 63.3523**, and **10.2834, 5.0243, 12.9982** is the 20% darker color. If you saturate the color by 10%, you get **24.4230, 11.9167, 31.5834**, and if you desaturate by 10%, it is **24.8488, 12.4312, 32.7650**.

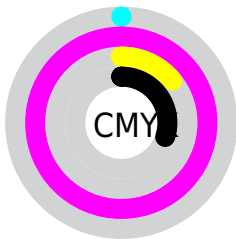
Distribution



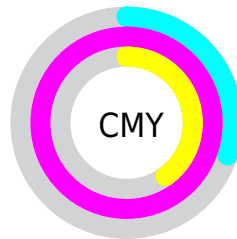
- Red (70%)
- Green (0%)
- Blue (60%)



- Red (70%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4231, 11.9168, 31.5848 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 24.4231, 11.9168, 31.5848 by changing the saturation by 10% instead.


 24.4231, 11.9168,
31.5848


 24.4231, 11.9168,
31.5848


267.3536,
203.8537, 323.6578


 15.7742, 6.6870,
20.7824


 50.1694, 29.3435,
63.2499

 9.4543, 3.2672,
12.7753


 67.9976, 42.3092,
84.9497


 5.0982, 1.2728,
7.1451


 89.6162, 58.6224,
111.1191

 2.3403, 0.1200,
3.4732

 115.3906, 78.6674,
142.1765

 0.8152, 0.0000,
1.3410

 145.6862,
102.8286, 178.5405

 0.0000, 0.0000,
0.0951

 180.8683,

 0.0000, 0.0000,

131.4905, 220.6297

0.0000

221.3023,
165.0374, 268.8626

■ 24.4231, 11.9168,
31.5848

■ 24.4231, 11.9168,
31.5848

■ 24.4230, 11.9167,
31.5834

■ 24.8488, 12.4312,
32.7650

■ 25.4742, 13.3382,
34.0333

■ 26.3743, 14.7875,
35.4147

■ 27.5847, 16.8506,
36.9214

■ 29.1358, 19.5879,
38.5636

■ 31.0543, 23.0527,
40.3502

■ 33.3641, 27.2930,
42.2894

■ 36.0871, 32.3525,
44.3887

■ 39.2437, 38.2719,
46.6549

Harmonies

Analogous

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



18.7887, 11.9168, 59.7666



24.4231, 11.9168, 31.5848



26.1602, 11.9168, 10.5740

Triad

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



24.4231, 11.9168, 31.5848



10.4537, 11.9168, 0.0000



4.4875, 11.9168, 40.3328

Complementary

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



24.4231, 11.9168, 31.5848



16.2962, 32.3108, 6.2988

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.



3.5325, 11.9168, 15.7153



24.4231, 11.9168, 31.5848



6.1594, 11.9168, 0.3844

Square

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



24.4231, 11.9168, 31.5848



16.6961, 11.9168, 0.0000



4.0212, 11.9168, 3.6429



7.2527, 11.9168, 67.1583

Rectangle

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



24.4231, 11.9168, 31.5848



24.5082, 11.9168, 3.7787



4.0212, 11.9168, 3.6429



3.9957, 11.9168, 31.0222

Sweetspot

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



24.4235, 11.9174, 31.5850



59.5206, 48.4498, 75.5511



8.5110, 3.4481, 42.8650



12.7889, 10.0012, 16.4114



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.4235, 11.9174, 31.5850



43.6778, 21.3173, 56.2335



19.5638, 9.9735, 5.9942



8.7980, 8.6259, 10.4345



17.2763, 8.4281, 22.4129



0.5576, 0.2708, 0.7788

Inverse Universe

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



24.4235, 11.9174, 31.5850



43.6778, 21.3173, 56.2335



19.1224, 33.4413, 21.1810



8.7980, 8.6259, 10.4345



17.2763, 8.4281, 22.4129



0.5576, 0.2708, 0.7788

Previews

White Background



This preview shows how the XYZ color 24.4231, 11.9168, 31.5848 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

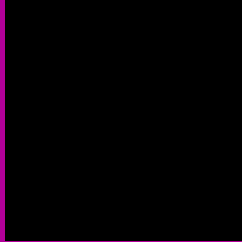
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4231, 11.9168, 31.5848

Background



This preview shows how black text looks on a background with the XYZ color 24.4231, 11.9168, 31.5848.



This preview shows how white text looks on a background with the XYZ color 24.4231, 11.9168,

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

24.4231, 11.9168, 31.5848

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.8892, 12.6866, 28.1550



Tritanopia

19.3887, 12.3656, 6.2154

Trichromacy



Original Color

24.4231, 11.9168, 31.5848



Protanomaly

12.6057, 7.9641, 46.7718



Deuteranomaly

14.4589, 9.4750, 29.0838



Tritanomaly

20.3387, 11.3128, 12.4209

Monochromacy



Original Color

24.4231, 11.9168, 31.5848



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7178, 6.1314, 12.9832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4231, 11.9168, 31.5848 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(179, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 154)  
}
```

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(179, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 24.4231, 11.9168, 31.5848 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(179, 0, 154) }
```


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

```
.border{ border-color:rgb(179, 0, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 0, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4231, 11.9168, 31.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 154) }
```

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

```
.background{ background-color: rgb(179, 0,  
154) }
```

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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