

Converting Colors

XYZ(23.4219, 11.4767, 39.2738)

Have a look what the booklet for
XYZ(23.4219, 11.4767, 39.2738)
contains.

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Color

**XYZ(23.4579, 11.4974,
39.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	A70FAB
RGB	167, 15, 171
RGB Percent	65%, 6%, 67%
CMY	0.3451, 0.9411, 0.3294
CMYK	0.02, 0.91, 0.00, 0.33
HSL	298°, 84%, 36%
HSV	298°, 91%, 67%
XYZ	23.4579, 11.4974, 39.5109
YIQ	78.2320, 40.5160, 80.7400

Conversions

Conversions Part 2

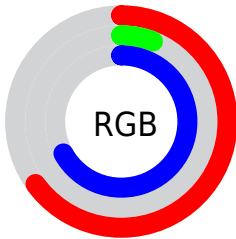
Format	Color
R_{YB}	167, 15, 171
Decimal	10948523
CIE _{Lab}	40.41, 70.50, -45.40
CIE _{LCh}	40, 83.857, 327.220
Yxy	11.4974, 0.3150, 0.1544
Android (android.graphics.Color)	4289138603 (0xFFA70FAB)
YUV	78.2320, 45.7346, 77.8495
Hunter-Lab	33.9078, 64.1501, -45.3519

Details

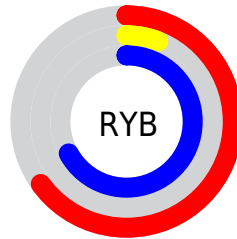
The XYZ color **23.4579, 11.4974, 39.5109** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9180, 29.2990, 5.3214**, and the grayscale version is **7.1976, 7.5724, 8.2464**.

A 20% lighter version of the original color is **48.7189, 28.6942, 75.6438**, and **9.7004, 4.6230, 17.5206** is the 20% darker color. If you saturate the color by 10%, you get **23.2062, 11.1141, 39.4503**, and if you desaturate by 10%, it is **23.8997, 12.2428, 39.6317**.

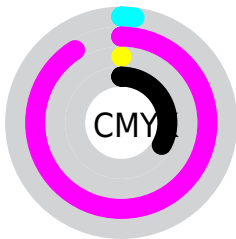
Distribution



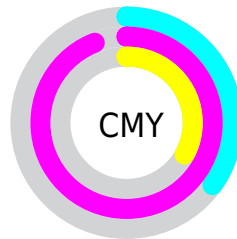
- Red (65%)
- Green (6%)
- Blue (67%)



- Red (65%)
- Yellow (6%)
- Blue (67%)



- Cyan (2%)
- Magenta (91%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (94%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4579, 11.4974, 39.5109 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 23.4579, 11.4974, 39.5109 by changing the saturation by 10% instead.

 23.4579, 11.4974,
39.5109


 23.4579, 11.4974,
39.5109


262.5599,
201.0489, 359.5484


 15.0545, 6.4024,
26.8465


 48.6053, 28.5763,
75.6471


 8.9442, 3.0913,
17.2266


 66.0800, 41.3291,
99.9560


 4.7616, 1.1796,
10.2325


 87.3091, 57.4033,
128.9834

 2.1414, 0.0449,
5.4458

 112.6582, 77.1833,
163.1480

 0.7116, 0.0000,
2.4478

 142.4924,
101.0534, 202.8682

 0.0000, 0.0000,
0.8123

 177.1772,

 0.0000, 0.0000,

129.3982, 248.5627

0.0000

217.0779,
162.6019, 300.6499

■ 23.4579, 11.4974,
39.5109

■ 23.4579, 11.4974,
39.5109

■ 23.2062, 11.1141,
39.4503

■ 23.8997, 12.2428,
39.6317

■ 24.5804, 13.4662,
39.8319

■ 25.5331, 15.2329,
40.1227

■ 26.7852, 17.5980,
40.5132

■ 28.3608, 20.6096,
41.0115

■ 30.2816, 24.3110,
41.6247

■ 32.5673, 28.7418,
42.3595

■ 35.2362, 33.9386,
43.2219

■ 38.3053, 39.9355,
44.2176

Harmonies

Analogous

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



16.9588, 11.4974, 69.0412



23.4579, 11.4974, 39.5109



26.5596, 11.4974, 14.1562

Triad

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



23.4579, 11.4974, 39.5109



11.4857, 11.4974, 0.0000



3.6415, 11.4974, 33.9411

Complementary

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



23.4579, 11.4974, 39.5109



14.9180, 29.2990, 5.3214

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.



3.0779, 11.4974, 11.0127



23.4579, 11.4974, 39.5109



6.5289, 11.4974, 0.0000

Square

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



23.4579, 11.4974, 39.5109



18.2644, 11.4974, 0.0000



3.9115, 11.4974, 1.8972



5.8780, 11.4974, 64.2530

Rectangle

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



23.4579, 11.4974, 39.5109



25.6775, 11.4974, 5.1709



3.9115, 11.4974, 1.8972



3.2948, 11.4974, 24.7607

Sweetspot

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



23.4584, 11.4979, 39.5111



55.6868, 46.3539, 75.0141



7.8018, 3.5498, 38.8022



12.1315, 9.7818, 16.6364



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.



23.4584, 11.4979, 39.5111



41.5318, 19.8896, 70.6520



19.1800, 9.8857, 12.5035



8.3165, 8.1375, 10.0851



17.5011, 8.3820, 29.7400



0.4931, 0.2364, 0.8276

Inverse Universe

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



17.0833, 9.0470, 1.4624



30.1094, 15.5184, 1.5717



16.5136, 29.9290, 14.0971



8.0133, 8.0186, 8.3806



12.6818, 6.5353, 0.7038



0.3554, 0.1829, 0.0335

Previews

White Background



This preview shows how the XYZ color 23.4579, 11.4974, 39.5109 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

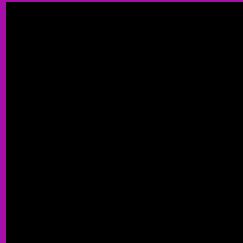
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4579, 11.4974, 39.5109

Background



This preview shows how black text looks on a background with the XYZ color 23.4579, 11.4974, 39.5109.



This preview shows how white text looks on a background with the XYZ color 23.4579, 11.4974,

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

23.4579, 11.4974, 39.5109

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

12.2290, 11.9069, 35.3719



Tritanopia

16.9800, 11.6832, 7.6635

Trichromacy



Original Color

23.4579, 11.4974, 39.5109



Protanomaly

12.8919, 8.4035, 48.5195



Deuteranomaly

13.5180, 9.1638, 36.6536



Tritanomaly

18.3558, 10.7743, 15.5802

Monochromacy



Original Color

23.4579, 11.4974, 39.5109



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

10.7212, 7.2172, 16.1572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4579, 11.4974, 39.5109 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(167, 15, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 15, 171)  
}
```

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(167, 15, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 15, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.4579, 11.4974, 39.5109 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(167, 15, 171) }
```


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

```
.border{ border-color:rgb(167, 15, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 15, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 15, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 15, 171);  
box-shadow:4px 4px 4px 4px rgb(167, 15,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4579, 11.4974, 39.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 15, 171) }
```

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

```
.background{ background-color: rgb(167, 15,  
171) }
```

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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