

Converting Colors

XYZ(12.5246, 6.2359, 22.9890)

Have a look what the booklet for
XYZ(12.5246, 6.2359, 22.9890)
contains.

XYZ(12.5144, 6.2294, 23.0971)	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>	31

Color

**XYZ(12.5144, 6.2294,
23.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	7A1086
RGB	122, 16, 134
RGB Percent	48%, 6%, 53%
CMY	0.5216, 0.9372, 0.4745
CMYK	0.09, 0.88, 0.00, 0.47
HSL	294°, 79%, 29%
HSV	294°, 88%, 53%
XYZ	12.5144, 6.2294, 23.0971
YIQ	61.1460, 25.2980, 59.1700

Conversions

Conversions Part 2

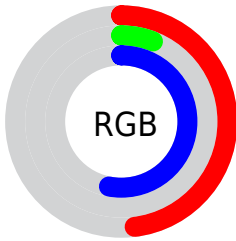
Format	Color
R_{YB}	122, 16, 134
Decimal	7999622
CIE Lab	29.98, 56.16, -40.00
CIE LCh	30, 68.946, 324.542
Yxy	6.2294, 0.2991, 0.1489
Android (android.graphics.Color)	4286189702 (0xFF7A1086)
YUV	61.1460, 35.9170, 53.3690
Hunter-Lab	24.9588, 45.8226, -37.3964

Details

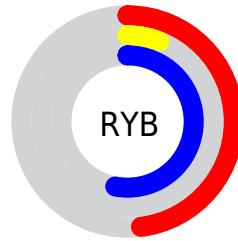
The XYZ color **12.5144, 6.2294, 23.0971** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **9.0978, 17.3347, 3.3569**, and the grayscale version is **4.4050, 4.6344, 5.0468**.

A 20% lighter version of the original color is **30.0911, 18.4036, 49.5432**, and **3.9452, 1.8535, 8.3334** is the 20% darker color. If you saturate the color by 10%, you get **12.1659, 5.8167, 23.0359**, and if you desaturate by 10%, it is **12.9730, 6.8579, 23.1943**.

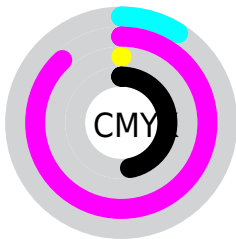
Distribution



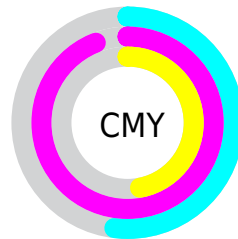
- Red (48%)
- Green (6%)
- Blue (53%)



- Red (48%)
- Yellow (6%)
- Blue (53%)



- Cyan (9%)
- Magenta (88%)
- Yellow (0%)
- Black (47%)



- Cyan (52%)
- Magenta (94%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5144, 6.2294, 23.0971 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 12.5144, 6.2294, 23.0971 by changing the saturation by 10% instead.

12.5144, 6.2294,
23.0971

12.5144, 6.2294,
23.0971

201.4828,
161.0977, 281.3614

7.1697, 2.9851,
14.4592

30.0374, 18.4053,
49.4779

3.6157, 1.1239,
8.2984

42.9464, 28.1056,
68.0580

1.4871, 0.0000,
4.1960

59.1075, 40.7267,
90.7892

0.3170, 0.0000,
1.7335

78.8861, 56.6530,
118.0901

0.0000, 0.0000,
0.3835


102.6476, 76.2688,
150.3792

0.0000, 0.0000,
0.0000


130.7573, 99.9586,

188.0751


 163.5806,
128.1068, 231.5963

 12.5144, 6.2294,
23.0971

 12.5144, 6.2294,
23.0971


 12.1659, 5.8167,
23.0359


 12.9730, 6.8579,
23.1943

 12.1007, 5.7410,
23.0247

 13.5775, 7.7744,
23.3394

 14.3447, 9.0121,
23.5378

 15.2886, 10.5993,
23.7945

 16.4220, 12.5614,
24.1134

■ 17.7564, 14.9213,
24.4986

■ 19.3022, 17.7000,
24.9535

■ 21.0693, 20.9172,
25.4813

■ 23.0669, 24.5912,
26.0852

Harmonies

Analogous

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



8.8760, 6.2294, 38.9705



12.5144, 6.2294, 23.0971



14.4472, 6.2294, 8.6088

Triad

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



12.5144, 6.2294, 23.0971



6.5282, 6.2294, 0.0000



1.8912, 6.2294, 17.1075

Complementary

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



12.5144, 6.2294, 23.0971



9.0978, 17.3347, 3.3569

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.



1.6541, 6.2294, 5.2351



12.5144, 6.2294, 23.0971



3.7074, 6.2294, 0.0000

Square

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



12.5144, 6.2294, 23.0971



10.2771, 6.2294, 0.0000



2.1793, 6.2294, 0.8180



3.0112, 6.2294, 33.8172

Rectangle

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



12.5144, 6.2294, 23.0971



14.1414, 6.2294, 3.2391



2.1793, 6.2294, 0.8180



1.7278, 6.2294, 12.2669

Sweetspot

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



12.5147, 6.2297, 23.0972



31.6646, 26.9681, 43.2749



4.9754, 2.7485, 22.8227



6.9678, 5.7797, 9.7010



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.5147, 6.2297, 23.0972



21.2467, 10.0772, 40.5637



11.8105, 6.1565, 9.9664



4.8125, 4.7394, 5.8619



11.3452, 5.3828, 21.5777



0.0426, 0.0204, 0.0749

Inverse Universe

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



10.2266, 5.5230, 1.6260



17.4284, 8.9724, 1.3700



9.5877, 17.5000, 7.3210



4.6904, 4.6958, 4.9820



9.2877, 4.7794, 0.8214



0.0333, 0.0170, 0.0090

Previews

White Background



This preview shows how the XYZ color 12.5144, 6.2294, 23.0971 looks on a white background.

Color Contrast Check

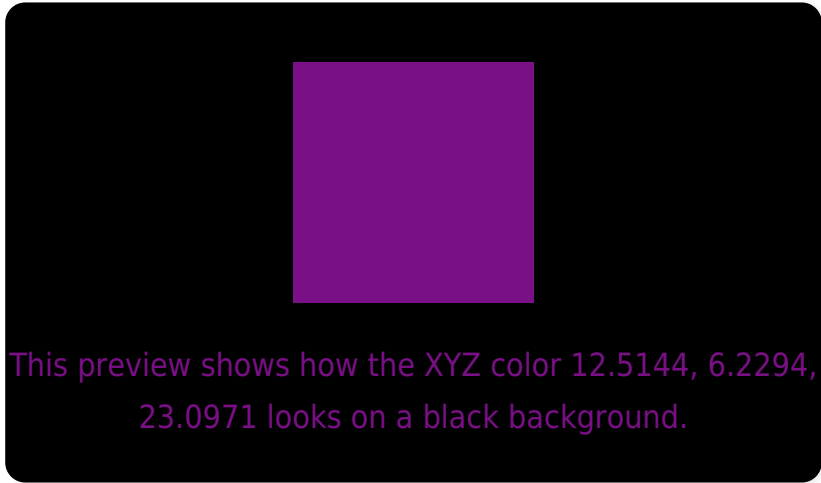
Large Text (above 18pt) WCAG AA ✓ Pass

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

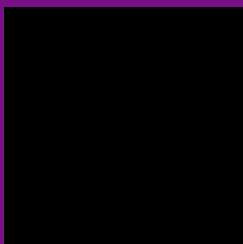
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5144, 6.2294, 23.0971

Background



This preview shows how black text looks on a background with the XYZ color 12.5144, 6.2294, 23.0971.



This preview shows how white text looks on a background with the XYZ color 12.5144, 6.2294,

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

12.5144, 6.2294, 23.0971

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.6551, 6.5327, 20.6488



Tritanopia

8.8929, 6.4545, 4.7801

Trichromacy



Original Color

12.5144, 6.2294, 23.0971

Protanomaly

7.1372, 4.7998, 26.5369

Deuteranomaly

7.2403, 5.0977, 21.3712

Tritanomaly

9.6410, 5.9025, 9.4353

Monochromacy



Original Color

12.5144, 6.2294, 23.0971

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.2671, 4.4204, 9.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5144, 6.2294, 23.0971 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(122, 16, 134)` looks like.

```
.text, #text, p{  
    color:rgb(122, 16, 134)  
}
```

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(122, 16, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 16, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.5144, 6.2294, 23.0971 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(122, 16, 134) }
```


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

```
.border{ border-color:rgb(122, 16, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 16, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 16, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 16, 134); box-shadow:4px 4px 4px 4px rgb(122, 16, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5144, 6.2294, 23.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 16, 134) }
```

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

```
.background{ background-color: rgb(122, 16,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor