

Converting Colors

XYZ(23.5577, 10.7836, 79.4371)

Have a look what the booklet for
XYZ(23.5577, 10.7836, 79.4371)
contains.

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Color

**XYZ(23.5577, 10.7836,
79.4371)**

Conversions

Conversions Part 1

Format	Color
Hex	7C14EB
RGB	124, 20, 235
RGB Percent	49%, 8%, 92%
CMY	0.5137, 0.9216, 0.0784
CMYK	0.47, 0.91, 0.00, 0.08
HSL	269°, 84%, 50%
HSV	269°, 91%, 92%
XYZ	23.5577, 10.7836, 79.4371
YIQ	75.6060, -7.0310, 88.9130

Conversions

Conversions Part 2

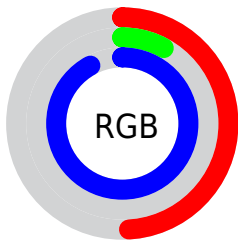
Format	Color
R _Y B	124, 20, 235
Decimal	8131819
CIE Lab	39.21, 76.09, -84.85
CIE LCh	39, 113.968, 311.883
Yxy	10.7836, 0.2070, 0.0948
Android (android.graphics.Color)	4286321899 (0xFF7C14EB)
YUV	75.6060, 78.5812, 42.4415
Hunter-Lab	32.8384, 70.5857, -120.4375

Details

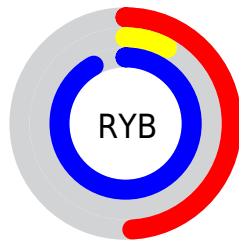
The XYZ color **23.5577, 10.7836, 79.4371** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **39.1939, 64.2922, 11.0057**, and the grayscale version is **6.6608, 7.0077, 7.6314**.

A 20% lighter version of the original color is **41.7079, 24.4755, 97.1337**, and **9.6668, 4.0551, 42.3927** is the 20% darker color. If you saturate the color by 10%, you get **21.8934, 9.5542, 79.2878**, and if you desaturate by 10%, it is **26.0531, 13.0081, 79.7352**.

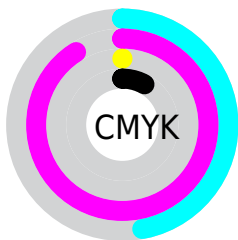
Distribution



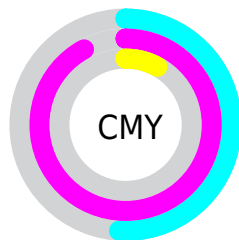
- Red (49%)
- Green (8%)
- Blue (92%)



- Red (49%)
- Yellow (8%)
- Blue (92%)



- Cyan (47%)
- Magenta (91%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (92%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5577, 10.7836, 79.4371 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 23.5577, 10.7836, 79.4371 by changing the saturation by 10% instead.


 23.5577, 10.7836,
79.4371

 23.5577, 10.7836,
79.4371


263.0588,
196.1768, 512.6904

 15.1288, 5.9215,
58.7318


 48.7674, 27.2593,
134.3783


 8.9967, 2.7974,
41.9787


 66.2789, 39.6417,
169.4512


 4.7961, 1.0269,
28.7592


 87.5487, 55.2997,
210.1505

 2.1617, 0.0000,
18.6547

 112.9421, 74.6176,
256.8946

 0.7224, 0.0000,
11.2468

 142.8244, 97.9799,
310.1022

 0.0000, 0.0000,
6.1168

 177.5611,

 0.0000, 0.0000,

125.7709, 370.1916

2.8463

217.5175,
158.3751, 437.5815

■ 0.0000, 0.0000,
1.0167

■ 0.0000, 0.0000,
0.0000

■ 23.5577, 10.7836,
79.4371

■ 23.5577, 10.7836,
79.4371

■ 21.8934, 9.5542,
79.2878

■ 26.0531, 13.0081,
79.7352

■ 29.2639, 16.3333,
80.2078

■ 33.2712, 20.9098,
80.8800

■ 38.1430, 26.8635,
81.7724

■ 43.9389, 34.3042,
82.9031

■ 50.7128, 43.3303,
84.2883

■ 58.5140, 54.0316,
85.9427

■ 67.3883, 66.4910,
87.8799

■ 77.3784, 80.7857,
90.1125

Harmonies

Analogous

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



13.5903, 10.7836, 120.2345



23.5577, 10.7836, 79.4371



31.5802, 10.7836, 30.3425

Triad

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



23.5577, 10.7836, 79.4371



15.5440, 10.7836, 0.0000



1.5379, 10.7836, 22.7416

Complementary

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



23.5577, 10.7836, 79.4371



39.1939, 64.2922, 11.0057

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.



1.6579, 10.7836, 2.9042



23.5577, 10.7836, 79.4371



7.5066, 10.7836, 0.0000

Square

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



23.5577, 10.7836, 79.4371



25.5853, 10.7836, 0.0000



3.2270, 10.7836, 0.0000



2.7308, 10.7836, 68.3924

Rectangle

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



23.5577, 10.7836, 79.4371



33.1339, 10.7836, 10.4097



3.2270, 10.7836, 0.0000



1.4527, 10.7836, 13.1824

Sweetspot

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



23.5584, 10.7839, 79.4374



64.9913, 57.5319, 102.2871



23.4113, 22.4017, 81.6876



13.2433, 11.4043, 21.7532



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.5584, 10.7839, 79.4374



26.2692, 11.4572, 95.4347



48.3354, 23.5568, 80.5969



14.9247, 14.9065, 19.0129



12.3307, 5.3926, 44.1339



1.0789, 0.4805, 3.4708

Inverse Universe

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



38.6076, 19.8010, 23.2578



45.3806, 22.9162, 23.7341



30.2015, 59.6565, 10.5848



15.3902, 15.1839, 17.3398



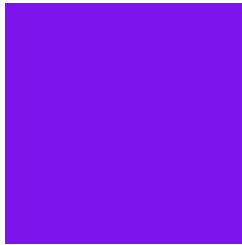
21.0644, 10.6284, 11.4062



1.7027, 0.8540, 1.1516

Previews

White Background



This preview shows how the XYZ color 23.5577, 10.7836, 79.4371 looks on a white background.

Color Contrast Check

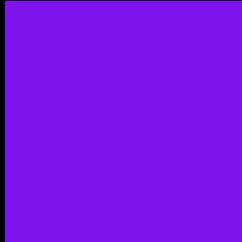
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.5577, 10.7836, 79.4371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

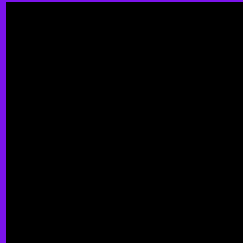
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5577, 10.7836, 79.4371

Background



This preview shows how black text looks on a background with the XYZ color 23.5577, 10.7836, 79.4371.



This preview shows how white text looks on a background with the XYZ color 23.5577, 10.7836,

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

23.5577, 10.7836, 79.4371

Protanopia

12.7333, 10.9432, 49.0181

Deuteranopia

10.7045, 10.9744, 35.7365



Tritanopia

10.3344, 10.8726, 13.6105

Trichromacy



Original Color

23.5577, 10.7836, 79.4371



Protanomaly

13.9919, 8.7463, 58.7083



Deuteranomaly

12.3346, 8.3663, 49.1089



Tritanomaly

12.8525, 8.8911, 29.4725

Monochromacy



Original Color

23.5577, 10.7836, 79.4371



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

10.2315, 6.8767, 23.3423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5577, 10.7836, 79.4371 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(124, 20, 235)` looks like.

```
.text, #text, p{  
    color:rgb(124, 20, 235)  
}
```

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(124, 20, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 20, 235) }
```

Border

The CSS property to change the border of an element to XYZ 23.5577, 10.7836, 79.4371 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(124, 20, 235) }
```


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

```
.border{ border-color:rgb(124, 20, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 20, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 20, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 20, 235);  
box-shadow:4px 4px 4px 4px rgb(124, 20,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5577, 10.7836, 79.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 20, 235) }
```

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

```
.background{ background-color: rgb(124, 20,  
235) }
```

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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