

Converting Colors

XYZ(23.4399, 10.3581, 79.0585)

Have a look what the booklet for
XYZ(23.4399, 10.3581, 79.0585)
contains.

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Color

**XYZ(23.4528, 10.3581,
79.3605)**

Conversions

Conversions Part 1

Format	Color
Hex	7D00EB
RGB	125, 0, 235
RGB Percent	49%, 0%, 92%
CMY	0.5098, 1.0000, 0.0784
CMYK	0.47, 1.00, 0.00, 0.08
HSL	272°, 100%, 46%
HSV	272°, 100%, 92%
XYZ	23.4528, 10.3581, 79.3605
YIQ	64.1650, -0.9350, 99.5850

Conversions

Conversions Part 2

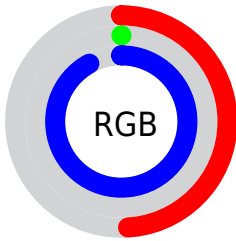
Format	Color
R _Y B	125, 0, 235
Decimal	8192235
CIE Lab	38.48, 78.79, -86.06
CIE LCh	38, 116.682, 312.475
Yxy	10.3581, 0.2072, 0.0915
Android (android.graphics.Color)	4286382315 (0xFF7D00EB)
YUV	64.1650, 84.2217, 53.3523
Hunter-Lab	32.1840, 73.7527, -123.6707

Details

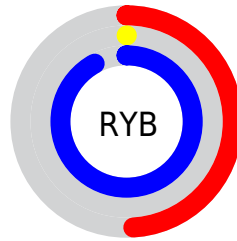
The XYZ color **23.4528, 10.3581, 79.3605** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **36.1383, 62.7316, 10.2037**, and the grayscale version is **4.7765, 5.0253, 5.4725**.

A 20% lighter version of the original color is **41.4859, 23.6697, 96.9899**, and **9.7232, 4.0842, 42.3953** is the 20% darker color. If you saturate the color by 10%, you get **23.4536, 10.3585, 79.3608**, and if you desaturate by 10%, it is **25.4659, 11.8656, 79.5457**.

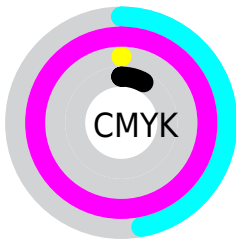
Distribution



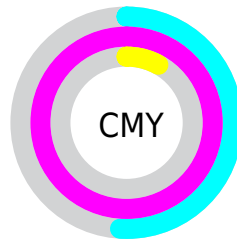
- Red (49%)
- Green (0%)
- Blue (92%)



- Red (49%)
- Yellow (0%)
- Blue (92%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4528, 10.3581, 79.3605 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 23.4528, 10.3581, 79.3605 by changing the saturation by 10% instead.

23.4528, 10.3581,
79.3605

23.4528, 10.3581,
79.3605

262.5343,
193.2091, 512.4249

15.0507, 5.6370,
58.6692

48.5970, 26.4669,
134.2695

8.9416, 2.6257,
41.9286

66.0698, 38.6234,
169.3243

4.7599, 0.9396,
28.7202

87.2969, 54.0272,
210.0040

2.1404, 0.0000,
18.6255

112.6437, 73.0627,
256.7271

0.7110, 0.0000,
11.2260

142.4754, 96.1142,
309.9122

0.0000, 0.0000,
6.1029

177.1576,

0.0000, 0.0000,

123.5662, 369.9779

2.8380

217.0554,
155.8030, 437.3426

■ 0.0000, 0.0000,
1.0125

■ 0.0000, 0.0000,
0.0000

■ 23.4528, 10.3581,
79.3605

■ 23.4528, 10.3581,
79.3605

■ 23.4536, 10.3585,
79.3608

■ 25.4659, 11.8656,
79.5457

■ 28.0453, 14.2346,
79.8670

■ 31.3182, 17.7108,
80.3654

■ 35.3610, 22.4390,
81.0650

■ 40.2382, 28.5412,
81.9858

■ 46.0068, 36.1246,
83.1455

■ 52.7182, 45.2853,
84.5600

■ 60.4197, 56.1111,
86.2436

■ 69.1550, 68.6832,
88.2099

Harmonies

Analogous

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



13.3678, 10.3581, 122.2215



23.4528, 10.3581, 79.3605



31.5190, 10.3581, 29.2597

Triad

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



23.4528, 10.3581, 79.3605



14.9586, 10.3581, 0.0000



1.3434, 10.3581, 23.0120

Complementary

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



23.4528, 10.3581, 79.3605



36.1383, 62.7316, 10.2037

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.



1.4340, 10.3581, 2.7657



23.4528, 10.3581, 79.3605



7.0029, 10.3581, 0.0000

Square

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



23.4528, 10.3581, 79.3605



25.1219, 10.3581, 0.0000



2.8881, 10.3581, 0.0000



2.5029, 10.3581, 70.1276

Rectangle

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



23.4528, 10.3581, 79.3605



32.9913, 10.3581, 9.5588



2.8881, 10.3581, 0.0000



1.2571, 10.3581, 13.1924

Sweetspot

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



23.4536, 10.3585, 79.3608



63.3416, 54.3501, 101.7599



20.9659, 17.9391, 80.9551



12.7964, 10.5849, 21.6186



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.



23.4536, 10.3585, 79.3608



28.1455, 12.4244, 95.5225



48.6967, 23.4365, 77.6204



14.9963, 14.9433, 19.0162



13.2018, 5.8417, 44.1747



1.1476, 0.5159, 3.4740

Inverse Universe

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



37.0753, 18.7879, 16.4230



44.5913, 22.6005, 19.5775



29.7299, 59.4255, 10.0158



15.3589, 15.1714, 17.1752



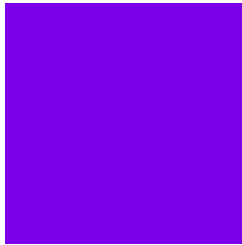
20.6973, 10.4816, 9.4733



1.6734, 0.8423, 0.9978

Previews

White Background



This preview shows how the XYZ color 23.4528, 10.3581, 79.3605 looks on a white background.

Color Contrast Check

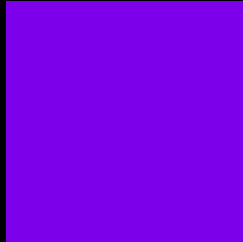
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4528, 10.3581, 79.3605 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 23.4528, 10.3581, 79.3605

Background



This preview shows how black text looks on a background with the XYZ color 23.4528, 10.3581, 79.3605.



This preview shows how white text looks on a background with the XYZ color 23.4528, 10.3581,

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

23.4528, 10.3581, 79.3605

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.4374, 10.7225, 34.7772



Tritanopia

10.2957, 10.7288, 13.3326

Trichromacy



Original Color

23.4528, 10.3581, 79.3605



Protanomaly

13.4444, 7.8438, 57.9321



Deuteranomaly

11.6677, 7.3775, 47.8227



Tritanomaly

12.5028, 8.1496, 28.9310

Monochromacy



Original Color

23.4528, 10.3581, 79.3605



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

8.3966, 5.0707, 20.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4528, 10.3581, 79.3605 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(125, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 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(125, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 23.4528, 10.3581, 79.3605 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(125, 0, 235) }
```


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

```
.border{ border-color:rgb(125, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4528, 10.3581, 79.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 235) }
```

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

```
.background{ background-color: rgb(125, 0,  
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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