

Converting Colors

XYZ(23.9212, 10.6589, 74.4408)

Have a look what the booklet for
XYZ(23.9212, 10.6589, 74.4408)
contains.

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Color

**XYZ(23.8351, 10.6698,
74.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	8600E4
RGB	134, 0, 228
RGB Percent	53%, 0%, 89%
CMY	0.4745, 1.0000, 0.1059
CMYK	0.41, 1.00, 0.00, 0.11
HSL	275°, 100%, 45%
HSV	275°, 100%, 89%
XYZ	23.8351, 10.6698, 74.2020
YIQ	66.0580, 6.6760, 99.3160

Conversions

Conversions Part 2

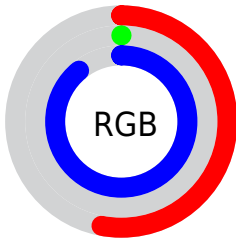
Format	Color
R_{YB}	134, 0, 228
Decimal	8782052
CIE _{Lab}	39.02, 78.15, -81.14
CIE _{LCh}	39, 112.659, 313.926
Yxy	10.6698, 0.2193, 0.0982
Android (android.graphics.Color)	4286972132 (0xFF8600E4)
YUV	66.0580, 79.8374, 59.5851
Hunter-Lab	32.6647, 73.0866, -111.8196

Details

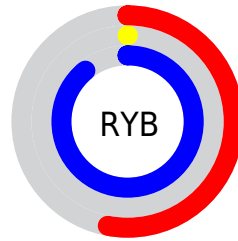
The XYZ color **23.8351, 10.6698, 74.2020** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **32.3592, 57.8665, 9.4638**, and the grayscale version is **5.0674, 5.3313, 5.8058**.

A 20% lighter version of the original color is **43.4981, 24.7070, 97.0841**, and **9.8765, 4.2424, 38.8264** is the 20% darker color. If you saturate the color by 10%, you get **23.8358, 10.6701, 74.2023**, and if you desaturate by 10%, it is **25.7038, 12.0821, 74.3764**.

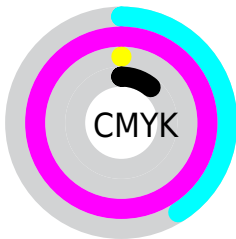
Distribution



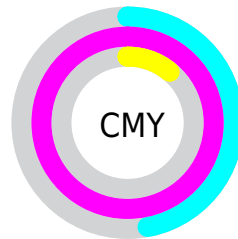
- Red (53%)
- Green (0%)
- Blue (89%)



- Red (53%)
- Yellow (0%)
- Blue (89%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8351, 10.6698, 74.2020 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 23.8351, 10.6698, 74.2020 by changing the saturation by 10% instead.

■ 23.8351, 10.6698,
74.2020

■ 23.8351, 10.6698,
74.2020

264.4417,
195.3880, 494.3523

■ 15.3354, 5.8453,
54.4616

■ 49.2176, 27.0479,
126.9188

■ 9.1430, 2.7512,
38.5751

■ 66.8311, 39.3703,
160.7323

■ 4.8924, 1.0033,
26.1241

■ 88.2133, 54.9608,
200.0739

■ 2.2184, 0.0000,
16.6899

■ 113.7296, 74.2037,
245.3621

■ 0.7524, 0.0000,
9.8540

■ 143.7451, 97.4835,
297.0155

■ 0.0000, 0.0000,
5.1979

■ 178.6255,

■ 0.0000, 0.0000,

125.1845, 355.4527

2.3031

218.7359,
157.6912, 421.0921

■ 0.0000, 0.0000,
0.7330

■ 0.0000, 0.0000,
0.0000

■ 23.8351, 10.6698,
74.2020

■ 23.8351, 10.6698,
74.2020

■ 23.8358, 10.6701,
74.2023

■ 25.7038, 12.0821,
74.3764

■ 28.0648, 14.2775,
74.6757

■ 31.0366, 17.4869,
75.1385

■ 34.6880, 21.8436,
75.7870

■ 39.0775, 27.4601,
76.6398

■ 44.2566, 34.4350,
77.7131

■ 50.2717, 42.8567,
79.0216

■ 57.1651, 52.8062,
80.5787

■ 64.9763, 64.3582,
82.3968

Harmonies

Analogous

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



14.0325, 10.6698, 115.9004



23.8351, 10.6698, 74.2020



31.3336, 10.6698, 27.2601

Triad

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



23.8351, 10.6698, 74.2020



14.6925, 10.6698, 0.0000



1.5872, 10.6698, 24.6980

Complementary

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



23.8351, 10.6698, 74.2020



32.3592, 57.8665, 9.4638

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.



1.6283, 10.6698, 3.5124



23.8351, 10.6698, 74.2020



7.0455, 10.6698, 0.0000

Square

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



23.8351, 10.6698, 74.2020



24.5189, 10.6698, 0.0000



3.0562, 10.6698, 0.0000



2.8872, 10.6698, 70.4882

Rectangle

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



23.8351, 10.6698, 74.2020



32.4739, 10.6698, 9.0078



3.0562, 10.6698, 0.0000



1.4764, 10.6698, 14.6883

Sweetspot

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



23.8358, 10.6701, 74.2023



64.6440, 55.0216, 101.8209



18.0959, 13.7859, 75.1062



13.1054, 10.7443, 21.6331



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.



23.8358, 10.6701, 74.2023



30.6042, 13.6920, 95.6375



43.5037, 21.0975, 62.1011



14.3906, 14.3036, 18.1467



13.9014, 6.2323, 42.8534



1.1322, 0.5147, 3.1716

Inverse Universe

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



34.0152, 17.3021, 12.1357



43.7964, 22.2825, 15.3916



27.8610, 55.5340, 9.8668



14.6221, 14.4660, 16.2105



19.6973, 10.0131, 7.3008



1.5008, 0.7580, 0.7779

Previews

White Background



This preview shows how the XYZ color 23.8351, 10.6698, 74.2020 looks on a white background.

Color Contrast Check

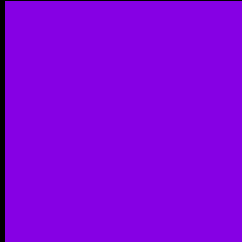
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8351, 10.6698, 74.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

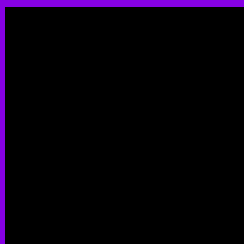
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8351, 10.6698, 74.2020

Background



This preview shows how black text looks on a background with the XYZ color 23.8351, 10.6698, 74.2020.



This preview shows how white text looks on a background with the XYZ color 23.8351, 10.6698,

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

23.8351, 10.6698, 74.2020

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.7937, 11.0101, 36.2066



Tritanopia

11.5094, 10.9925, 12.5815

Trichromacy



Original Color

23.8351, 10.6698, 74.2020



Protanomaly

13.6288, 7.9389, 57.9408



Deuteranomaly

11.9050, 7.5783, 47.8490



Tritanomaly

13.6996, 8.6529, 27.3337

Monochromacy



Original Color

23.8351, 10.6698, 74.2020



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.8440, 5.3607, 19.9706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8351, 10.6698, 74.2020 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(134, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 228)  
}
```

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(134, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 23.8351, 10.6698, 74.2020 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(134, 0, 228) }
```


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

```
.border{ border-color:rgb(134, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(134, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8351, 10.6698, 74.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 228) }
```

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

```
.background{ background-color: rgb(134, 0,  
228) }
```

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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