

Converting Colors

XYZ(24.3036, 10.4438, 95.3427)

Have a look what the booklet for
XYZ(24.3036, 10.4438, 95.3427)
contains.

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Color

**XYZ(24.3567, 10.4712,
95.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00FF
RGB	109, 0, 255
RGB Percent	43%, 0%, 100%
CMY	0.5725, 1.0000, 0.0000
CMYK	0.57, 1.00, 0.00, 0.00
HSL	266°, 100%, 50%
HSV	266°, 100%, 100%
XYZ	24.3567, 10.4712, 95.3451
YIQ	61.6610, -16.8910, 102.4130

Conversions

Conversions Part 2

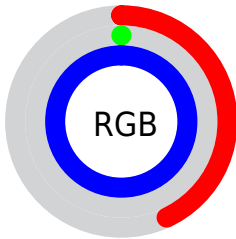
Format	Color
RYB	109, 0, 255
Decimal	7143679
CIELab	38.68, 81.92, -97.07
CIELCh	39, 127.020, 310.160
Yxy	10.4712, 0.1871, 0.0804
Android (android.graphics.Color)	4285333759 (0xFF6D00FF)
YUV	61.6610, 95.3161, 41.5163
Hunter-Lab	32.3592, 77.7278, -152.0440

Details

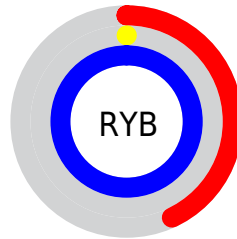
The XYZ color **24.3567, 10.4712, 95.3451** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **47.6127, 77.6303, 12.4747**, and the grayscale version is **4.4005, 4.6296, 5.0417**.

A 20% lighter version of the original color is **38.5979, 22.0713, 96.8336**, and **10.0514, 4.0307, 52.4728** is the 20% darker color. If you saturate the color by 10%, you get **24.3576, 10.4717, 95.3452**, and if you desaturate by 10%, it is **26.6639, 12.1927, 95.5558**.

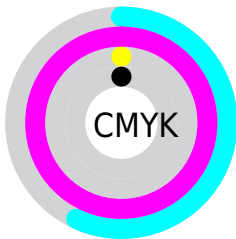
Distribution



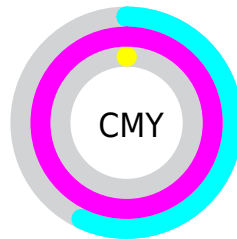
- Red (43%)
- Green (0%)
- Blue (100%)



- Red (43%)
- Yellow (0%)
- Blue (100%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3567, 10.4712, 95.3451 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 24.3567, 10.4712, 95.3451 by changing the saturation by 10% instead.

■ 24.3567, 10.4712,
95.3451

■ 24.3567, 10.4712,
95.3451

267.0260,
194.0028, 566.2817

■ 15.7246, 5.7125,
71.8238

■ 50.0621, 26.6781,
156.7410

■ 9.4191, 2.6710,
52.5288

■ 67.8661, 38.8950,
195.4526

■ 5.0748, 0.9625,
37.0416

■ 89.4582, 54.3669,
240.0647

■ 2.3264, 0.0000,
24.9436

■ 115.2036, 73.4780,
290.9958

■ 0.8081, 0.0000,
15.8164

■ 145.4677, 96.6127,
348.6646

■ 0.0000, 0.0000,
9.2414

■ 180.6159,

■ 0.0000, 0.0000,

124.1555, 413.4895

4.8000

221.0136,
156.4907, 485.8890

■ 0.0000, 0.0000,
2.0737

■ 0.0000, 0.0000,
0.6001

■ 24.3567, 10.4712,
95.3451

■ 24.3567, 10.4712,
95.3451

■ 24.3576, 10.4717,
95.3452

■ 26.6639, 12.1927,
95.5558

■ 29.7492, 15.0085,
95.9367

■ 33.7692, 19.2114,
96.5361

■ 38.8233, 24.9824,
97.3836

44.9964, 32.4738,
98.5042

52.3634, 41.8193,
99.9198

60.9920, 53.1389,
101.6499

70.9447, 66.5424,
103.7125

82.2793, 82.1312,
106.1241

Harmonies

Analogous

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



13.0698, 10.4712, 143.5354



24.3567, 10.4712, 95.3451



34.0614, 10.4712, 35.2867

Triad

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



24.3567, 10.4712, 95.3451



16.4742, 10.4712, 0.0000



1.0299, 10.4712, 21.6169

Complementary

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



24.3567, 10.4712, 95.3451



47.6127, 77.6303, 12.4747

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.



1.1927, 10.4712, 1.8223



24.3567, 10.4712, 95.3451



7.3751, 10.4712, 0.0000

Square

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



24.3567, 10.4712, 95.3451



28.0127, 10.4712, 0.0000



2.7636, 10.4712, 0.0000



2.0243, 10.4712, 74.4364

Rectangle

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



24.3567, 10.4712, 95.3451



36.2768, 10.4712, 11.2729



2.7636, 10.4712, 0.0000



0.9752, 10.4712, 11.5308

Sweetspot

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



24.3576, 10.4717, 95.3452



60.9920, 53.1389, 101.6499



28.7579, 28.6359, 98.6193



12.2423, 10.2993, 21.5927



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.



24.3576, 10.4717, 95.3452



51.8997, 24.6701, 96.6341



17.7393, 17.7573, 22.7425



12.8900, 5.5555, 49.8275



1.3770, 0.6038, 4.8572

Inverse Universe

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



46.4277, 23.3351, 29.2481



36.0746, 71.6822, 11.9347



18.4452, 18.1614, 20.9618



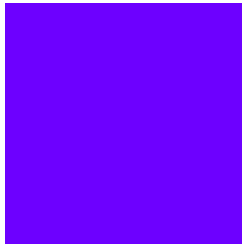
24.3358, 12.2236, 15.6846



2.4242, 1.2121, 1.8154

Previews

White Background



This preview shows how the XYZ color 24.3567, 10.4712, 95.3451 looks on a white background.

Color Contrast Check

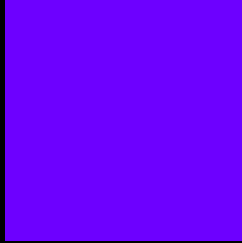
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3567, 10.4712, 95.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

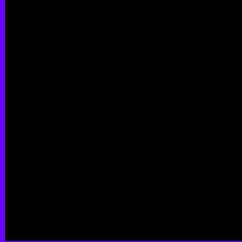
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.3567, 10.4712, 95.3451

Background



This preview shows how black text looks on a background with the XYZ color 24.3567, 10.4712, 95.3451.



This preview shows how white text looks on a background with the XYZ color 24.3567, 10.4712,

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

24.3567, 10.4712, 95.3451

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.3502, 10.6876, 34.3183



Tritanopia

8.4809, 10.6890, 15.5261

Trichromacy



Original Color

24.3567, 10.4712, 95.3451



Protanomaly

14.2219, 8.1308, 63.1072



Deuteranomaly

12.2285, 7.5779, 51.8571



Tritanomaly

10.8830, 7.5059, 34.5934

Monochromacy



Original Color

24.3567, 10.4712, 95.3451



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

8.1148, 4.7792, 22.3246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3567, 10.4712, 95.3451 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(109, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 255)  
}
```

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(109, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.3567, 10.4712, 95.3451 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(109, 0, 255) }
```

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

```
.border{ border-color:rgb(109, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3567, 10.4712, 95.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 255) }
```

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

```
.background{ background-color: rgb(109, 0,  
255) }
```

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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