

Converting Colors

XYZ(24.4072, 15.3638, 68.6969)

Have a look what the booklet for
XYZ(24.4072, 15.3638, 68.6969)
contains.

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Color

**XYZ(24.4072, 15.3638,
68.6969)**

Conversions

Conversions Part 1

Format	Color
Hex	7F50DB
RGB	127, 80, 219
RGB Percent	50%, 31%, 86%
CMY	0.5019, 0.6863, 0.1412
CMYK	0.42, 0.63, 0.00, 0.14
HSL	260°, 66%, 59%
HSV	260°, 63%, 86%
XYZ	24.4072, 15.3638, 68.6969
YIQ	109.8990, -16.6070, 53.1930

Conversions

Conversions Part 2

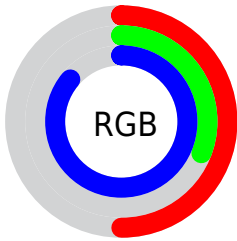
Format	Color
R_{YB}	127, 80, 219
Decimal	8343771
CIE _{Lab}	46.13, 50.01, -64.42
CIE _{LCh}	46, 81.553, 307.824
Yxy	15.3638, 0.2250, 0.1416
Android (android.graphics.Color)	4286533851 (0xFF7F50DB)
YUV	109.8990, 53.7868, 14.9976
Hunter-Lab	39.1967, 42.5551, -76.4752

Details

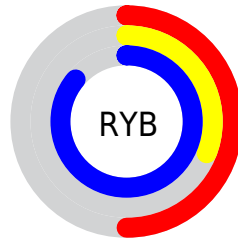
The XYZ color **24.4072, 15.3638, 68.6969** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **43.7924, 60.0129, 16.8652**, and the grayscale version is **14.6470, 15.4098, 16.7812**.

A 20% lighter version of the original color is **46.3088, 34.0368, 98.7368**, and **9.4590, 4.8018, 35.0786** is the 20% darker color. If you saturate the color by 10%, you get **21.0515, 11.6291, 68.1532**, and if you desaturate by 10%, it is **28.5973, 20.3043, 69.4300**.

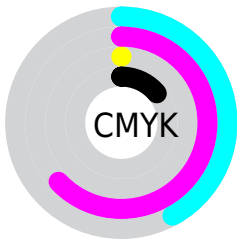
Distribution



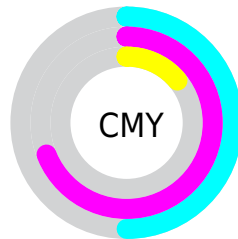
- Red (50%)
- Green (31%)
- Blue (86%)



- Red (50%)
- Yellow (31%)
- Blue (86%)



- Cyan (42%)
- Magenta (63%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (69%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4072, 15.3638, 68.6969 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 24.4072, 15.3638, 68.6969 by changing the saturation by 10% instead.

■ 24.4072, 15.3638,
68.6969

■ 24.4072, 15.3638,
68.6969

267.2752,
225.5578, 474.6262

■ 15.7623, 9.0751,
49.9947

■ 50.1437, 35.4901,
119.0122

■ 9.4459, 4.7902,
35.0380

■ 67.9661, 50.0966,
151.4623

■ 5.0926, 2.1247,
23.4084

■ 89.5783, 68.2444,
189.3322

■ 2.3370, 0.6785,
14.6872

■ 115.3458, 90.3180,
233.0403

■ 0.8135, 0.0000,
8.4560

■ 145.6339,
116.7017, 283.0052

■ 0.0000, 0.0000,
4.2962

180.8079,

■ 0.0000, 0.0000,

147.7800, 339.6455

1.7892

221.2332,
183.9372, 403.3796

■ 0.0000, 0.0000,
0.4208

■ 0.0000, 0.0000,
0.0000

■ 24.4072, 15.3638,
68.6969

■ 24.4072, 15.3638,
68.6969

■ 21.0515, 11.6291,
68.1532

■ 28.5973, 20.3043,
69.4300

■ 18.4618, 8.9859,
67.7795

■ 33.6779, 26.5472,
70.3672

■ 16.5607, 7.2995,
67.5542

■ 39.7023, 34.1807,
71.5231

■ 15.6145, 6.5725,
67.4638

■ 46.7186, 43.2848,
72.9106

■ 54.7717, 53.9331,
74.5415

■ 63.9034, 66.1945,
76.4269

■ 74.1533, 80.1333,
78.5771

■ 85.4946, 95.6821,
80.9806

■ 89.7862, 97.8945,
81.1814

Harmonies

Analogous

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



16.4954, 15.3638, 90.3089



24.4072, 15.3638, 68.6969



30.7687, 15.3638, 35.6913

Triad

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



24.4072, 15.3638, 68.6969



20.2394, 15.3638, 0.2805



4.9724, 15.3638, 22.4878

Complementary

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



24.4072, 15.3638, 68.6969



43.7924, 60.0129, 16.8652

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.



5.4050, 15.3638, 6.0543



24.4072, 15.3638, 68.6969



12.8609, 15.3638, 0.0000

Square

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



24.4072, 15.3638, 68.6969



27.8791, 15.3638, 2.5347



7.8542, 15.3638, 1.0596



6.3964, 15.3638, 52.8013

Rectangle

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



24.4072, 15.3638, 68.6969



32.4029, 15.3638, 18.2214



7.8542, 15.3638, 1.0596



4.9167, 15.3638, 15.3196

Sweetspot

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



24.4079, 15.3643, 68.6973



70.6649, 67.3053, 103.8745



30.9744, 36.5797, 72.4462



14.4430, 13.5074, 22.0959



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.



24.4079, 15.3643, 68.6973



28.4422, 15.0705, 96.0176



38.3767, 22.5655, 69.3510



12.7516, 12.8301, 16.4565



9.3637, 3.9513, 40.0076



0.6968, 0.3025, 2.5961

Inverse Universe

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



39.5285, 23.7761, 41.5344



52.1555, 28.3133, 51.1261



32.3924, 54.1359, 16.3317



13.4175, 13.1961, 15.4598



20.4032, 10.1623, 17.0349



1.3614, 0.6742, 1.3122

Previews

White Background



This preview shows how the XYZ color 24.4072, 15.3638, 68.6969 looks on a white background.

Color Contrast Check

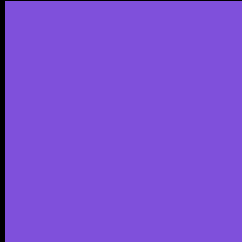
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4072, 15.3638, 68.6969 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 24.4072, 15.3638, 68.6969

Background



This preview shows how black text looks on a background with the XYZ color 24.4072, 15.3638, 68.6969.



This preview shows how white text looks on a background with the XYZ color 24.4072, 15.3638,

68.6969.

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

24.4072, 15.3638, 68.6969

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.5318, 15.4834, 53.2089



Tritanopia

14.4395, 15.3434, 19.3401

Trichromacy



Original Color

24.4072, 15.3638, 68.6969



Protanomaly

18.4944, 14.2205, 70.8773



Deuteranomaly

16.4634, 14.0070, 58.3358



Tritanomaly

17.0603, 14.7350, 32.9553

Monochromacy



Original Color

24.4072, 15.3638, 68.6969



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

17.1693, 14.8387, 30.8134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4072, 15.3638, 68.6969 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(127, 80, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 80, 219)  
}
```

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(127, 80, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 80, 219) }
```

Border

The CSS property to change the border of an element to XYZ 24.4072, 15.3638, 68.6969 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(127, 80, 219) }
```


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

```
.border{ border-color:rgb(127, 80, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 80, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 80, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 80, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 80,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4072, 15.3638, 68.6969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 80, 219) }
```

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

```
.background{ background-color: rgb(127, 80,  
219) }
```

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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