

Converting Colors

XYZ(24.6857, 15.2630, 70.0512)

Have a look what the booklet for
XYZ(24.6857, 15.2630, 70.0512)
contains.

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Color

**XYZ(24.6776, 15.2584,
70.0511)**

Conversions

Conversions Part 1

Format	Color
Hex	804EDD
RGB	128, 78, 221
RGB Percent	50%, 31%, 87%
CMY	0.4980, 0.6941, 0.1333
CMYK	0.42, 0.65, 0.00, 0.13
HSL	261°, 68%, 59%
HSV	261°, 65%, 87%
XYZ	24.6776, 15.2584, 70.0511
YIQ	109.2520, -16.1030, 55.0730

Conversions

Conversions Part 2

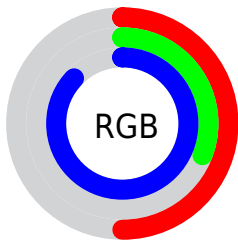
Format	Color
R_{YB}	128, 78, 221
Decimal	8408797
CIE _{Lab}	45.99, 51.79, -65.78
CIE _{LCh}	46, 83.727, 308.215
Yxy	15.2584, 0.2244, 0.1387
Android (android.graphics.Color)	4286598877 (0xFF804EDD)
YUV	109.2520, 55.0918, 16.4420
Hunter-Lab	39.0620, 44.4097, -78.9832

Details

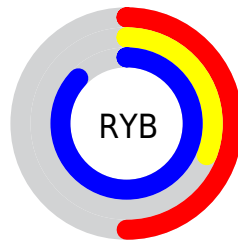
The XYZ color **24.6776, 15.2584, 70.0511** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **44.0257, 60.9208, 16.6464**, and the grayscale version is **14.4597, 15.2127, 16.5666**.

A 20% lighter version of the original color is **46.2823, 33.6244, 98.6585**, and **9.6377, 4.7657, 36.0092** is the 20% darker color. If you saturate the color by 10%, you get **21.3522, 11.5920, 69.5190**, and if you desaturate by 10%, it is **28.8381, 20.1383, 70.7741**.

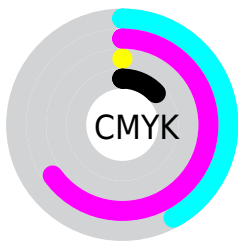
Distribution



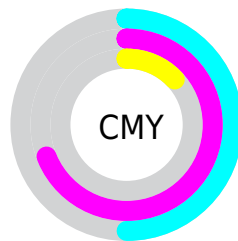
- Red (50%)
- Green (31%)
- Blue (87%)



- Red (50%)
- Yellow (31%)
- Blue (87%)



- Cyan (42%)
- Magenta (65%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (69%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6776, 15.2584, 70.0511 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 24.6776, 15.2584, 70.0511 by changing the saturation by 10% instead.

■ 24.6776, 15.2584,
70.0511

■ 24.6776, 15.2584,
70.0511

268.6059,
224.9250, 479.5234

■ 15.9645, 9.0009,
51.0911

■ 50.5804, 35.3059,
120.9634

■ 9.5897, 4.7418,
35.9039

■ 68.5007, 49.8646,
153.7529

■ 5.1879, 2.0966,
24.0709

■ 90.2209, 67.9593,
191.9892

■ 2.3938, 0.6627,
15.1735

■ 116.1062, 89.9743,
236.0910

■ 0.8420, 0.0000,
8.7933

■ 146.5220,
116.2939, 286.4768

■ 0.0000, 0.0000,
4.5116

181.8336,

■ 0.0000, 0.0000,

147.3027, 343.5651

1.9100

222.4065,
183.3849, 407.7744

■ 0.0000, 0.0000,
0.4991

■ 0.0000, 0.0000,
0.0000

■ 24.6776, 15.2584,
70.0511

■ 24.6776, 15.2584,
70.0511

■ 21.3522, 11.5920,
69.5190

■ 28.8381, 20.1383,
70.7741

■ 18.7916, 9.0205,
69.1576

■ 33.8910, 26.3318,
71.7032

■ 16.9152, 7.4023,
68.9442

■ 39.8910, 33.9298,
72.8535

■ 16.1343, 6.8099,
68.8710

■ 46.8872, 43.0147,
74.2384

■ 54.9251, 53.6622,
75.8699

■ 64.0474, 65.9429,
77.7595

■ 74.2943, 79.9231,
79.9179

■ 85.7037, 95.6652,
82.3551

■ 90.0512, 98.0005,
82.5767

Harmonies

Analogous

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



16.5394, 15.2584, 92.9708



24.6776, 15.2584, 70.0511



31.2044, 15.2584, 35.7266

Triad

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



24.6776, 15.2584, 70.0511



20.1738, 15.2584, 0.1076



4.7611, 15.2584, 22.8412

Complementary

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



24.6776, 15.2584, 70.0511



44.0257, 60.9208, 16.6464

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.



5.1690, 15.2584, 5.9275



24.6776, 15.2584, 70.0511



12.6404, 15.2584, 0.0000

Square

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



24.6776, 15.2584, 70.0511



28.0688, 15.2584, 2.2741



7.5978, 15.2584, 0.9440



6.2115, 15.2584, 54.3666

Rectangle

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



24.6776, 15.2584, 70.0511



32.8441, 15.2584, 17.8599



7.5978, 15.2584, 0.9440



4.6979, 15.2584, 15.4271

Sweetspot

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



24.6784, 15.2589, 70.0515



70.8371, 67.3941, 103.8826



31.2008, 36.8556, 73.8763



14.4842, 13.5287, 22.0978



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.



24.6784, 15.2589, 70.0515



28.0217, 14.4671, 95.9233



38.8454, 22.5623, 70.7145



12.7660, 12.8375, 16.4572



9.4836, 4.0131, 40.0132



0.7057, 0.3071, 2.5965

Inverse Universe

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



39.8938, 23.7613, 41.0104



51.4636, 27.6199, 48.7670



32.6924, 55.0783, 16.1160



13.4109, 13.1935, 15.4253



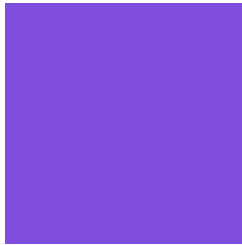
20.2897, 10.1169, 16.4373



1.3546, 0.6715, 1.2765

Previews

White Background



This preview shows how the XYZ color 24.6776, 15.2584, 70.0511 looks on a white background.

Color Contrast Check

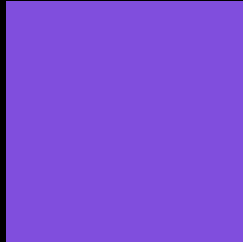
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6776, 15.2584, 70.0511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

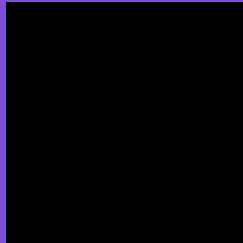
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6776, 15.2584, 70.0511

Background



This preview shows how black text looks on a background with the XYZ color 24.6776, 15.2584, 70.0511.



This preview shows how white text looks on a background with the XYZ color 24.6776, 15.2584,

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

24.6776, 15.2584, 70.0511

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

14.4476, 15.1883, 19.3097

Trichromacy



Original Color

24.6776, 15.2584, 70.0511



Protanomaly

18.4493, 14.0627, 70.8492



Deuteranomaly

16.5332, 13.8877, 58.9359



Tritanomaly

17.0941, 14.6126, 32.9299

Monochromacy



Original Color

24.6776, 15.2584, 70.0511



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

17.0752, 14.6504, 30.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6776, 15.2584, 70.0511 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(128, 78, 221)` looks like.

```
.text, #text, p{  
    color:rgb(128, 78, 221)  
}
```

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(128, 78, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 78, 221) }
```

Border

The CSS property to change the border of an element to XYZ 24.6776, 15.2584, 70.0511 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(128, 78, 221) }
```


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

```
.border{ border-color:rgb(128, 78, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 78, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 78, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 78, 221);  
box-shadow:4px 4px 4px 4px rgb(128, 78,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6776, 15.2584, 70.0511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 78, 221) }
```

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

```
.background{ background-color: rgb(128, 78,  
221) }
```

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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