

Converting Colors

XYZ(24.7715, 16.3219, 70.2515)

Have a look what the booklet for
XYZ(24.7715, 16.3219, 70.2515)
contains.

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Color

**XYZ(24.7715, 16.3219,
70.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	7C57DD
RGB	124, 87, 221
RGB Percent	49%, 34%, 87%
CMY	0.5137, 0.6588, 0.1333
CMYK	0.44, 0.61, 0.00, 0.13
HSL	257°, 66%, 60%
HSV	257°, 61%, 87%
XYZ	24.7715, 16.3219, 70.2515
YIQ	113.3390, -20.9620, 49.5180

Conversions

Conversions Part 2

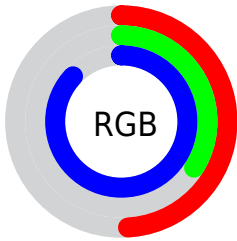
Format	Color
R_{YB}	124, 87, 221
Decimal	8148957
CIE _{Lab}	47.39, 46.13, -63.52
CIE _{LCh}	47, 78.504, 305.988
Yxy	16.3219, 0.2225, 0.1466
Android (android.graphics.Color)	4286339037 (0xFF7C57DD)
YUV	113.3390, 53.0769, 9.3497
Hunter-Lab	40.4004, 38.7467, -74.8181

Details

The XYZ color **24.7715, 16.3219, 70.2515** 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 **47.3435, 62.5914, 18.6031**, and the grayscale version is **15.6490, 16.4639, 17.9292**.

A 20% lighter version of the original color is **46.4299, 35.3420, 98.9823**, and **9.6646, 5.2267, 36.0968** is the 20% darker color. If you saturate the color by 10%, you get **21.1210, 12.1783, 69.6445**, and if you desaturate by 10%, it is **29.3461, 21.7549, 71.0594**.

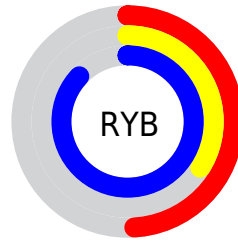
Distribution



Red (49%)

Green (34%)

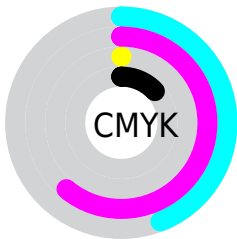
Blue (87%)



Red (49%)

Yellow (34%)

Blue (87%)

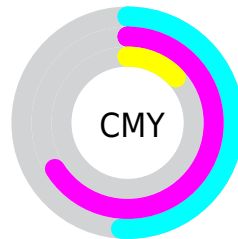


Cyan (44%)

Magenta (61%)

Yellow (0%)

Black (13%)



Cyan (51%)

Magenta (66%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7715, 16.3219, 70.2515 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 24.7715, 16.3219, 70.2515 by changing the saturation by 10% instead.

■ 24.7715, 16.3219,
70.2515

■ 24.7715, 16.3219,
70.2515

269.0668,
231.2338, 480.2455

■ 16.0347, 9.7522,
51.2535

■ 50.7319, 37.1561,
121.2518

■ 9.6397, 5.2350,
36.0323

■ 68.6861, 52.1895,
154.0912

■ 5.2212, 2.3858,
24.1692

■ 90.4436, 70.8129,
192.3816

■ 2.4137, 0.8186,
15.2459

■ 116.3697, 93.4106,
236.5413

■ 0.8519, 0.0000,
8.8436

■ 146.8297,
120.3672, 286.9891

■ 0.0000, 0.0000,
4.5439

182.1890,

■ 0.0000, 0.0000,

152.0670, 344.1433

1.9282

222.8129,
188.8944, 408.4226

■ 0.0000, 0.0000,
0.5106

■ 0.0000, 0.0000,
0.0000

■ 24.7715, 16.3219,
70.2515

■ 24.7715, 16.3219,
70.2515

■ 21.1210, 12.1783,
69.6445

■ 29.3461, 21.7549,
71.0594

■ 18.3225, 9.2096,
69.2189

■ 34.9046, 28.5749,
72.0829

■ 16.2954, 7.2829,
68.9539

■ 41.5042, 36.8718,
73.3365

■ 14.9774, 6.2135,
68.8169

■ 49.1967, 46.7273,
74.8333

■ 58.0307, 58.2170,
76.5855

■ 68.0514, 71.4115,
78.6041

■ 79.3016, 86.3774,
80.8999

■ 88.9496, 97.4326,
82.5252

■ 90.0512, 98.0005,
82.5768

Harmonies

Analogous

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



16.9506, 16.3219, 89.5381



24.7715, 16.3219, 70.2515



31.2130, 16.3219, 38.3523

Triad

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



24.7715, 16.3219, 70.2515



21.6153, 16.3219, 0.6994



5.6533, 16.3219, 22.0734

Complementary

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



24.7715, 16.3219, 70.2515



47.3435, 62.5914, 18.6031

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.



6.2246, 16.3219, 6.2999



24.7715, 16.3219, 70.2515



14.1600, 16.3219, 0.2544

Square

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



24.7715, 16.3219, 70.2515



29.0423, 16.3219, 3.4308



8.9083, 16.3219, 1.3058



7.0147, 16.3219, 51.1065

Rectangle

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



24.7715, 16.3219, 70.2515



33.0394, 16.3219, 20.5878



8.9083, 16.3219, 1.3058



5.6328, 16.3219, 15.2250

Sweetspot

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



24.7723, 16.3224, 70.2519



70.9303, 68.3641, 104.0649



34.3867, 42.0567, 74.7124



14.4550, 13.6925, 22.1310



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.



24.7723, 16.3224, 70.2519



27.9500, 15.4691, 96.1204



37.6283, 22.9500, 70.8536



12.6745, 12.7903, 16.4529



8.7950, 3.6582, 39.9810



0.6524, 0.2796, 2.5940

Inverse Universe

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



41.8787, 25.6494, 48.0895



54.2095, 29.8381, 59.7750



35.0845, 56.2717, 18.0294



13.4530, 13.2103, 15.6467



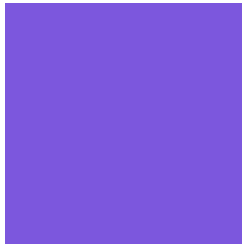
21.0569, 10.4238, 20.4777



1.3999, 0.6896, 1.5147

Previews

White Background



This preview shows how the XYZ color 24.7715, 16.3219, 70.2515 looks on a white background.

Color Contrast Check

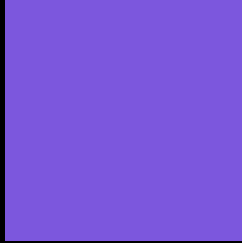
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7715, 16.3219, 70.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

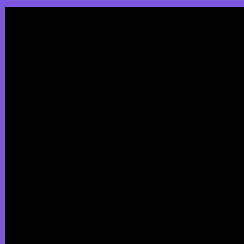
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7715, 16.3219, 70.2515

Background



This preview shows how black text looks on a background with the XYZ color 24.7715, 16.3219, 70.2515.



This preview shows how white text looks on a background with the XYZ color 24.7715, 16.3219,

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

24.7715, 16.3219, 70.2515

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.5561, 16.4316, 56.9426



Tritanopia

14.9109, 16.1992, 21.4096

Trichromacy



Original Color

24.7715, 16.3219, 70.2515



Protanomaly

19.5045, 15.2183, 74.5825



Deuteranomaly

17.5189, 15.2151, 61.6880



Tritanomaly

17.5150, 15.6550, 34.8995

Monochromacy



Original Color

24.7715, 16.3219, 70.2515



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

17.9539, 15.9495, 31.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7715, 16.3219, 70.2515 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(124, 87, 221)` looks like.

```
.text, #text, p{  
    color:rgb(124, 87, 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(124, 87, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 87, 221) }
```

Border

The CSS property to change the border of an element to XYZ 24.7715, 16.3219, 70.2515 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(124, 87, 221) }
```


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

```
.border{ border-color:rgb(124, 87, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 87, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 87, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 87, 221);  
box-shadow:4px 4px 4px 4px rgb(124, 87,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7715, 16.3219, 70.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 87, 221) }
```

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

```
.background{ background-color: rgb(124, 87,  
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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