

Converting Colors

XYZ(29.4751, 24.5246, 78.0354)

Have a look what the booklet for
XYZ(29.4751, 24.5246, 78.0354)
contains.

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Color

**XYZ(29.3623, 24.3735,
78.0199)**

Conversions

Conversions Part 1

Format	Color
Hex	787DE6
RGB	120, 125, 230
RGB Percent	47%, 49%, 90%
CMY	0.5294, 0.5098, 0.0980
CMYK	0.48, 0.46, 0.00, 0.10
HSL	237°, 69%, 69%
HSV	237°, 48%, 90%
XYZ	29.3623, 24.3735, 78.0199
YIQ	135.4750, -36.6850, 31.5950

Conversions

Conversions Part 2

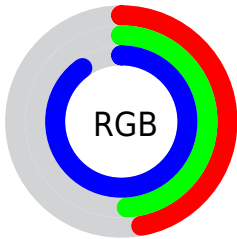
Format	Color
RYB	120, 125, 230
Decimal	7896550
CIELab	56.46, 25.68, -54.04
CIELCh	56, 59.828, 295.415
Yxy	24.3735, 0.2229, 0.1850
Android (android.graphics.Color)	4286086630 (0xFF787DE6)
YUV	135.4750, 46.6008, -13.5716
Hunter-Lab	49.3695, 19.7654, -59.1388

Details

The XYZ color **29.3623, 24.3735, 78.0199** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.9501, 72.0319, 28.3567**, and the grayscale version is **23.0484, 24.2487, 26.4068**.

A 20% lighter version of the original color is **52.1322, 48.1293, 101.1500**, and **12.1489, 9.2170, 41.1831** is the 20% darker color. If you saturate the color by 10%, you get **24.0682, 17.9646, 77.0624**, and if you desaturate by 10%, it is **36.0387, 32.4074, 79.2192**.

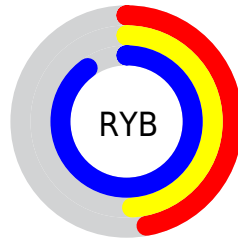
Distribution



Red (47%)

Green (49%)

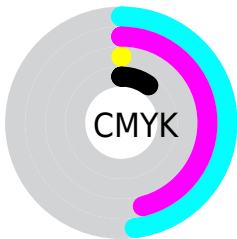
Blue (90%)



Red (47%)

Yellow (49%)

Blue (90%)

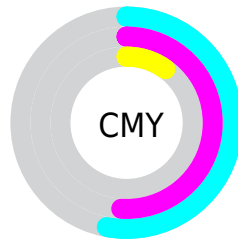


Cyan (48%)

Magenta (46%)

Yellow (0%)

Black (10%)



Cyan (53%)

Magenta (51%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3623, 24.3735, 78.0199 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 29.3623, 24.3735, 78.0199 by changing the saturation by 10% instead.

■ 29.3623, 24.3735,
78.0199

■ 29.3623, 24.3735,
78.0199

290.8840,
274.7034, 507.7641

■ 19.5007, 15.6109,
57.5738

■ 58.0458, 50.6390,
132.3643

■ 12.1388, 9.2493,
41.0537

■ 77.5984, 68.9107,
167.0997

■ 6.9111, 4.9041,
28.0410

■ 101.1121, 91.1210,
207.4352

■ 3.4524, 2.1911,
18.1173

128.9523,
117.6541, 253.7894

■ 1.3973, 0.7151,
10.8639

161.4841,
148.8945, 306.5809

■ 0.2543, 0.0000,
5.8624

199.0732,

■ 0.0000, 0.0000,

185.2266, 366.2281

2.6941

242.0847,
227.0347, 433.1497

■ 0.0000, 0.0000,
0.9405

■ 0.0000, 0.0000,
0.0000

■ 29.3623, 24.3735,
78.0199

■ 29.3623, 24.3735,
78.0199

■ 24.0682, 17.9646,
77.0624

■ 36.0387, 32.4074,
79.2192

■ 20.0567, 13.0677,
76.3286

■ 44.1817, 42.1641,
80.6733

■ 17.2195, 9.5591,
75.8009

■ 53.8725, 53.7366,
82.3962

■ 15.4292, 7.2946,
75.4582

■ 65.1857, 67.2105,
84.4007

■ 14.5197, 6.0936,
75.2743

■ 78.1906, 82.6660,
86.6985

■ 14.3965, 5.9401,
75.2512

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



22.1182, 24.3735, 85.5729



29.3623, 24.3735, 78.0199



35.9459, 24.3735, 54.5973

Triad

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



29.3623, 24.3735, 78.0199



31.5747, 24.3735, 5.8984



12.2685, 24.3735, 23.6057

Complementary

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



29.3623, 24.3735, 78.0199



62.9501, 72.0319, 28.3567

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.



13.8436, 24.3735, 10.2463



29.3623, 24.3735, 78.0199



24.2470, 24.3735, 3.7887

Square

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



29.3623, 24.3735, 78.0199



37.3914, 24.3735, 13.3083



17.9097, 24.3735, 4.8492



13.1022, 24.3735, 46.4948

Rectangle

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



29.3623, 24.3735, 78.0199



38.5863, 24.3735, 37.3444



17.9097, 24.3735, 4.8492



12.5232, 24.3735, 18.0486

Sweetspot

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



29.3633, 24.3743, 78.0205



73.1895, 73.9982, 105.0333



49.5660, 65.9965, 81.0039



15.0244, 15.0746, 22.3678



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.



29.3633, 24.3743, 78.0205



30.7115, 23.0617, 97.4404



37.4705, 27.6382, 78.2232



13.6351, 13.9916, 18.1263



8.1742, 3.4105, 42.6106



0.6227, 0.2893, 3.1550

Inverse Universe

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



43.0522, 31.7380, 23.2596



49.9453, 33.6033, 20.4538



50.6271, 67.7139, 28.1727



14.4034, 14.3785, 15.0587



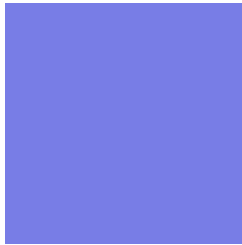
18.5195, 9.5420, 1.0986



1.3779, 0.7089, 0.1307

Previews

White Background



This preview shows how the XYZ color 29.3623, 24.3735, 78.0199 looks on a white background.

Color Contrast Check

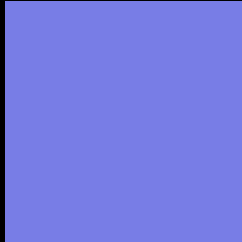
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.3623, 24.3735, 78.0199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

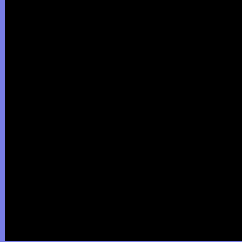
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3623, 24.3735, 78.0199

Background



This preview shows how black text looks on a background with the XYZ color 29.3623, 24.3735, 78.0199.



This preview shows how white text looks on a background with the XYZ color 29.3623, 24.3735,

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

29.3623, 24.3735, 78.0199

Protanopia

27.3221, 24.5849, 82.6622

Deuteranopia

25.2678, 24.4940, 76.0691



Tritanopia

20.5427, 24.2758, 34.1748

Trichromacy



Original Color

29.3623, 24.3735, 78.0199

Protanomaly

27.8471, 24.2937, 81.0633

Deuteranomaly

26.3747, 24.2278, 76.6851

Tritanomaly

23.1915, 24.0499, 47.6757

Monochromacy



Original Color

29.3623, 24.3735, 78.0199

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.5779, 23.8807, 41.3443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3623, 24.3735, 78.0199 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(120, 125, 230)` looks like.

```
.text, #text, p{  
    color:rgb(120, 125, 230)  
}
```

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(120, 125, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 125, 230) }
```

Border

The CSS property to change the border of an element to XYZ 29.3623, 24.3735, 78.0199 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(120, 125, 230) }
```


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

```
.border{ border-color:rgb(120, 125, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 125, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 125, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 125, 230);  
box-shadow:4px 4px 4px 4px rgb(120, 125,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3623, 24.3735, 78.0199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 125, 230) }
```

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

```
.background{ background-color: rgb(120,  
125, 230) }
```

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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