

Converting Colors

XYZ(24.6745, 15.4667, 31.0043)

Have a look what the booklet for
XYZ(24.6745, 15.4667, 31.0043)
contains.

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Color

**XYZ(24.6979, 15.5270,
30.9734)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4897
RGB	171, 72, 151
RGB Percent	67%, 28%, 59%
CMY	0.3294, 0.7176, 0.4078
CMYK	0.00, 0.58, 0.12, 0.33
HSL	312°, 41%, 48%
HSV	312°, 58%, 67%
XYZ	24.6979, 15.5270, 30.9734
YIQ	110.6070, 33.6450, 45.5570

Conversions

Conversions Part 2

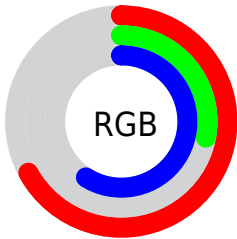
Format	Color
RYB	171, 72, 151
Decimal	11225239
CIELab	46.35, 50.32, -24.04
CIElCh	46, 55.770, 334.467
Yxy	15.5270, 0.3469, 0.2181
Android (android.graphics.Color)	4289415319 (0xFFAB4897)
YUV	110.6070, 19.9137, 52.9647
Hunter-Lab	39.4043, 42.9230, -19.0213

Details

The XYZ color **24.6979, 15.5270, 30.9734** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.1679, 31.2769, 15.1532**, and the grayscale version is **14.9338, 15.7115, 17.1098**.

A 20% lighter version of the original color is **50.6662, 35.7330, 61.9844**, and **9.6224, 4.8724, 12.4899** is the 20% darker color. If you saturate the color by 10%, you get **23.4659, 13.5051, 29.1987**, and if you desaturate by 10%, it is **26.2466, 18.1685, 32.8945**.

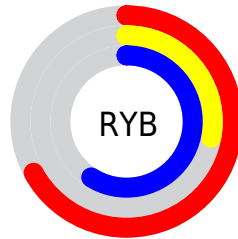
Distribution



Red (67%)

Green (28%)

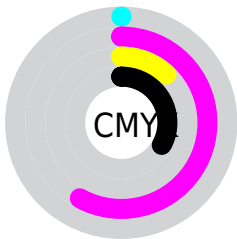
Blue (59%)



Red (67%)

Yellow (28%)

Blue (59%)

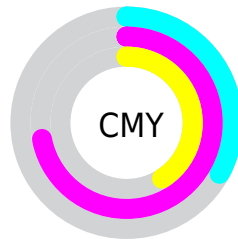


Cyan (0%)

Magenta (58%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (72%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6979, 15.5270, 30.9734 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 24.6979, 15.5270, 30.9734 by changing the saturation by 10% instead.

 24.6979, 15.5270,
30.9734


 24.6979, 15.5270,
30.9734


268.7056,
226.5342, 320.7632


 15.9797, 9.1901,
20.3203


 50.6131, 35.7751,
62.2773


 9.6005, 4.8654,
12.4417

 68.5408, 50.4550,
83.7651


 5.1951, 2.1685,
6.9191


 90.2691, 68.6848,
109.7017

 2.3981, 0.7027,
3.3339

 116.1632, 90.8487,
140.5054

 0.8442, 0.0000,
1.2675

 146.5885,
117.3312, 176.5949

 0.0000, 0.0000,
0.0350

181.9105,

 0.0000, 0.0000,

148.5167, 218.3886

0.0000

222.4944,
184.7896, 266.3052

■ 24.6979, 15.5270,
30.9734

■ 24.6979, 15.5270,
30.9734

■ 23.4659, 13.5051,
29.1987

■ 26.2466, 18.1685,
32.8945

■ 22.5227, 12.0482,
27.5604

■ 28.1338, 21.4739,
34.9692

■ 21.8382, 11.0958,
26.0482

■ 30.3809, 25.4858,
37.2051

■ 21.3623, 10.5476,
24.6451

■ 33.0073, 30.2428,
39.6090

■ 21.2710, 10.4485,
24.3573

■ 36.0309, 35.7806,
42.1873

■ 39.4685, 42.1327,
44.9457

■ 43.3358, 49.3304,
47.8899

■ 47.6477, 57.4036,
51.0253

■ 52.4187, 66.3806,
54.3567

Harmonies

Analogous

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



20.5923, 15.5270, 49.2027



24.6979, 15.5270, 30.9734



25.9438, 15.5270, 14.9385

Triad

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



24.6979, 15.5270, 30.9734



14.0538, 15.5270, 1.9022



8.4051, 15.5270, 36.5982

Complementary

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



24.6979, 15.5270, 30.9734



19.1679, 31.2769, 15.1532

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.



7.3624, 15.5270, 19.0397



24.6979, 15.5270, 30.9734



10.1450, 15.5270, 3.1684

Square

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



24.6979, 15.5270, 30.9734



19.0830, 15.5270, 2.5435



7.9229, 15.5270, 7.9117



11.1414, 15.5270, 53.4998

Rectangle

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



24.6979, 15.5270, 30.9734



24.7998, 15.5270, 8.1820



7.9229, 15.5270, 7.9117



7.8753, 15.5270, 30.3141

Sweetspot

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



24.6984, 15.5277, 30.9737



59.4140, 54.7100, 71.2013



14.0625, 9.8409, 39.6869



13.0326, 11.8054, 15.6862



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6984, 15.5277, 30.9737



41.5880, 23.4926, 51.5885



21.4961, 14.2468, 14.1104



8.2667, 8.1199, 9.7152



16.0541, 7.8842, 18.4621



0.4640, 0.2263, 0.6050

Inverse Universe

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



24.6984, 15.5277, 30.9737



41.5880, 23.4926, 51.5885



22.0662, 32.4362, 30.4151



8.2667, 8.1199, 9.7152



16.0541, 7.8842, 18.4621



0.4640, 0.2263, 0.6050

Previews

White Background



This preview shows how the XYZ color 24.6979, 15.5270, 30.9734 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 24.6979, 15.5270, 30.9734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

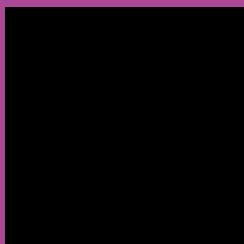
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6979, 15.5270, 30.9734

Background



This preview shows how black text looks on a background with the XYZ color 24.6979, 15.5270, 30.9734.



This preview shows how white text looks on a background with the XYZ color 24.6979, 15.5270,

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

24.6979, 15.5270, 30.9734

Protanopia

17.0805, 15.8143, 45.3322

Deuteranopia

16.0590, 15.8064, 28.9926



Tritanopia

20.9010, 15.6060, 12.2666

Trichromacy



Original Color

24.6979, 15.5270, 30.9734

Protanomaly

18.1931, 14.6264, 39.4004

Deuteranomaly

18.2017, 14.9844, 29.5367

Tritanomaly

21.9909, 15.4650, 17.7456

Monochromacy



Original Color

24.6979, 15.5270, 30.9734

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.7135, 15.0423, 21.7085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6979, 15.5270, 30.9734 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(171, 72, 151)` looks like.

```
.text, #text, p{  
    color:rgb(171, 72, 151)  
}
```

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(171, 72, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 72, 151) }
```

Border

The CSS property to change the border of an element to XYZ 24.6979, 15.5270, 30.9734 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(171, 72, 151) }
```


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

```
.border{ border-color:rgb(171, 72, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 72, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 72, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 72, 151);  
box-shadow:4px 4px 4px 4px rgb(171, 72,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6979, 15.5270, 30.9734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 72, 151) }
```

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

```
.background{ background-color: rgb(171, 72,  
151) }
```

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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