

Converting Colors

XYZ(12.8585, 4.4928, 23.8093)

Have a look what the booklet for
XYZ(12.8585, 4.4928, 23.8093)
contains.

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Color

**XYZ(14.0311, 6.7117,
24.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	840089
RGB	132, 0, 137
RGB Percent	52%, 0%, 54%
CMY	0.4823, 1.0000, 0.4627
CMYK	0.04, 1.00, 0.00, 0.46
HSL	298°, 100%, 27%
HSV	298°, 100%, 54%
XYZ	14.0311, 6.7117, 24.2229
YIQ	55.0860, 34.6950, 70.5910

Conversions

Conversions Part 2

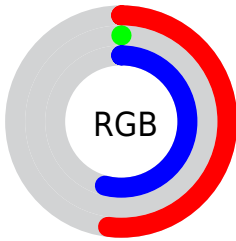
Format	Color
R_{YB}	132, 0, 137
Decimal	8650889
CIE _{Lab}	31.14, 61.06, -39.91
CIE _{LCh}	31, 72.943, 326.831
Yxy	6.7117, 0.3120, 0.1493
Android (android.graphics.Color)	4286840969 (0xFF840089)
YUV	55.0860, 40.3836, 67.4536
Hunter-Lab	25.9069, 51.3377, -37.3011

Details

The XYZ color **14.0311, 6.7117, 24.2229** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.0085, 17.9238, 2.9851**, and the grayscale version is **3.5906, 3.7776, 4.1138**.

A 20% lighter version of the original color is **32.8390, 19.4780, 51.3190**, and **4.7403, 2.2497, 8.9885** is the 20% darker color. If you saturate the color by 10%, you get **14.0312, 6.7117, 24.2230**, and if you desaturate by 10%, it is **14.2628, 7.0585, 24.2777**.

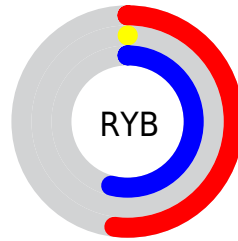
Distribution



Red (52%)

Green (0%)

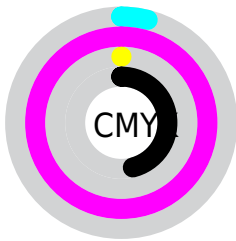
Blue (54%)



Red (52%)

Yellow (0%)

Blue (54%)

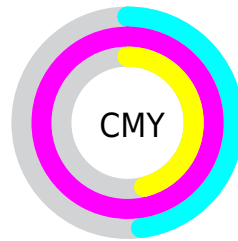


Cyan (4%)

Magenta (100%)

Yellow (0%)

Black (46%)



Cyan (48%)

Magenta (100%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0311, 6.7117, 24.2229 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 14.0311, 6.7117, 24.2229 by changing the saturation by 10% instead.

■ 14.0311, 6.7117,
24.2229

■ 14.0311, 6.7117,
24.2229

210.9310,
165.2462, 287.2682

■ 8.2241, 3.2825,
15.2853

■ 32.7300, 19.3908,
51.3421

■ 4.2917, 1.2809,
8.8710

■ 46.3527, 29.4095,
70.3608

■ 1.8685, 0.1264,
4.5615

■ 63.3113, 42.3935,
93.5769

■ 0.5584, 0.0000,
1.9382

■ 83.9712, 58.7271,
121.4090


■ 0.0000, 0.0000,
0.5169


■ 108.6978, 78.7948,
154.2757


■ 0.0000, 0.0000,
0.0000


■ 137.8563,

102.9809, 192.5954

 171.8123,
131.6699, 236.7867

 14.0311, 6.7117,
24.2229


 14.0311, 6.7117,
24.2229


 14.0312, 6.7117,
24.2230

 14.2628, 7.0585,
24.2777

 14.5898, 7.5956,
24.3642

 15.0643, 8.4271,
24.4996

 15.7043, 9.5890,
24.6902

 16.5251, 11.1121,
24.9409

■ 17.5404, 13.0236,
25.2563

■ 18.7626, 15.3482,
25.6406

■ 20.2029, 18.1085,
26.0975

■ 21.8718, 21.3256,
26.6305

Harmonies

Analogous

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



10.0098, 6.7117, 42.6787



14.0311, 6.7117, 24.2229



15.9913, 6.7117, 8.4503

Triad

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



14.0311, 6.7117, 24.2229



6.7666, 6.7117, 0.0000



2.0029, 6.7117, 20.2719

Complementary

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



14.0311, 6.7117, 24.2229



9.0085, 17.9238, 2.9851

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.



1.6846, 6.7117, 6.2734



14.0311, 6.7117, 24.2229



3.7537, 6.7117, 0.0000

Square

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



14.0311, 6.7117, 24.2229



10.9245, 6.7117, 0.0000



2.1835, 6.7117, 0.9637



3.3105, 6.7117, 39.2480

Rectangle

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



14.0311, 6.7117, 24.2229



15.4733, 6.7117, 2.9630



2.1835, 6.7117, 0.9637



1.8041, 6.7117, 14.6137

Sweetspot

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



14.0314, 6.7120, 24.2230



33.4416, 27.1829, 45.8674



4.5900, 1.9551, 23.8025



7.3146, 5.7421, 10.2291



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.0314, 6.7120, 24.2230



25.0964, 12.0035, 43.3774



11.5989, 5.8315, 7.2348



5.2161, 5.1198, 6.3192



13.0722, 6.2531, 22.5637



0.0895, 0.0429, 0.1500

Inverse Universe

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



10.3441, 5.3296, 0.6274



18.5107, 9.5385, 1.0526



9.8059, 18.2355, 7.5111



5.0398, 5.0514, 5.2980



9.6363, 4.9647, 0.5893



0.0649, 0.0333, 0.0084

Previews

White Background



This preview shows how the XYZ color 14.0311, 6.7117, 24.2229 looks on a white background.

Color Contrast Check

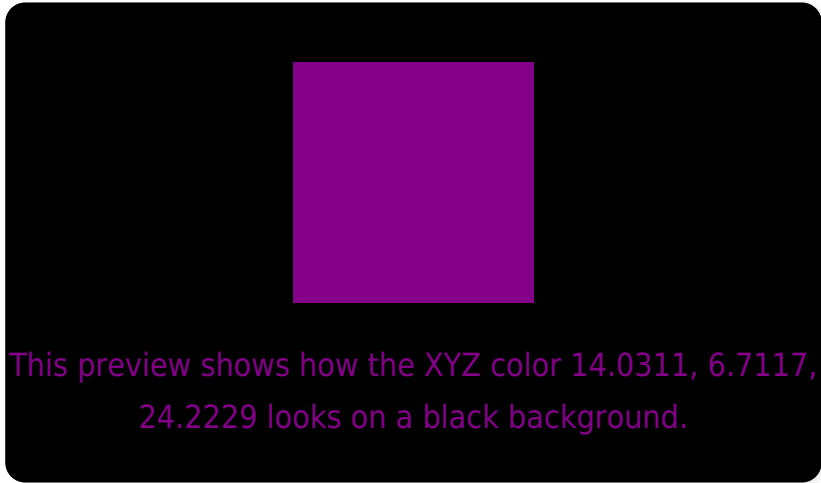
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

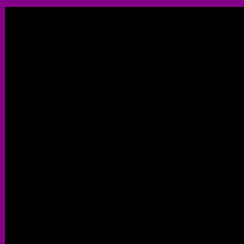
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0311, 6.7117, 24.2229

Background



This preview shows how black text looks on a background with the XYZ color 14.0311, 6.7117, 24.2229.



This preview shows how white text looks on a background with the XYZ color 14.0311, 6.7117,

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

14.0311, 6.7117, 24.2229

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.4914, 7.3438, 21.7915



Tritanopia

10.2261, 7.1447, 4.7110

Trichromacy



Original Color

14.0311, 6.7117, 24.2229

Protanomaly

7.6603, 4.8313, 28.9626

Deuteranomaly

8.0108, 5.2790, 22.4265

Tritanomaly

10.8559, 6.2516, 9.4386

Monochromacy



Original Color

14.0311, 6.7117, 24.2229

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.8080, 3.6969, 9.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0311, 6.7117, 24.2229 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(132, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 137)  
}
```

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(132, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 137) }
```

Border

The CSS property to change the border of an element to XYZ 14.0311, 6.7117, 24.2229 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(132, 0, 137) }
```


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

```
.border{ border-color:rgb(132, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0311, 6.7117, 24.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 137) }
```

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

```
.background{ background-color: rgb(132, 0,  
137) }
```

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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