

Converting Colors

XYZ(15.3899, 7.2696, 30.7290)

Have a look what the booklet for
XYZ(15.3899, 7.2696, 30.7290)
contains.

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Color

**XYZ(15.4226, 7.2865,
30.7306)**

Conversions

Conversions Part 1

Format	Color
Hex	850099
RGB	133, 0, 153
RGB Percent	52%, 0%, 60%
CMY	0.4784, 1.0000, 0.4000
CMYK	0.13, 1.00, 0.00, 0.40
HSL	292°, 100%, 30%
HSV	292°, 100%, 60%
XYZ	15.4226, 7.2865, 30.7306
YIQ	57.2090, 30.1550, 75.7790

Conversions

Conversions Part 2

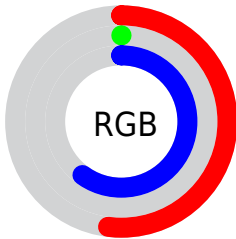
Format	Color
RYB	133, 0, 153
Decimal	8716441
CIELab	32.45, 63.88, -47.65
CIElCh	32, 79.695, 323.276
Yxy	7.2865, 0.2886, 0.1363
Android (android.graphics.Color)	4286906521 (0xFF850099)
YUV	57.2090, 47.2250, 66.4687
Hunter-Lab	26.9935, 54.7464, -48.6029

Details

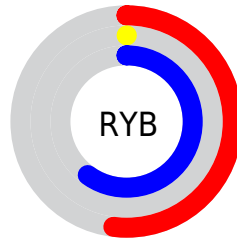
The XYZ color **15.4226, 7.2865, 30.7306** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.6801, 22.9315, 3.8110**, and the grayscale version is **3.8546, 4.0553, 4.4163**.

A 20% lighter version of the original color is **35.1364, 20.5334, 61.7859**, and **5.4908, 2.5593, 12.5165** is the 20% darker color. If you saturate the color by 10%, you get **15.4225, 7.2864, 30.7307**, and if you desaturate by 10%, it is **15.9169, 7.8014, 30.8041**.

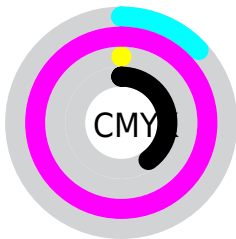
Distribution



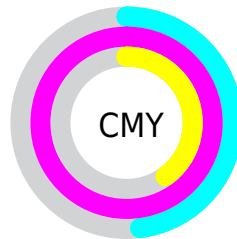
- Red (52%)
- Green (0%)
- Blue (60%)



- Red (52%)
- Yellow (0%)
- Blue (60%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)





- Cyan (48%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4226, 7.2865, 30.7306 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 15.4226, 7.2865, 30.7306 by changing the saturation by 10% instead.


 15.4226, 7.2865,
30.7306


 15.4226, 7.2865,
30.7306


219.2481,
170.0235, 319.6079


 9.2048, 3.6419,
20.1371


 35.1585, 20.5473,
61.8903


 4.9332, 1.4753,
12.3096


 49.4072, 30.9323,
83.2935


 2.2424, 0.2713,
6.8298


 67.0636, 44.3329,
109.1370

 0.7650, 0.0000,
3.2791

 88.4930, 61.1334,
139.8393

 0.0000, 0.0000,
1.2388

 114.0608, 81.7184,
175.8191

 0.0000, 0.0000,
0.0109

 144.1324,

 0.0000, 0.0000,

106.4721, 217.4947


0.0000

 179.0730,
135.7790, 265.2848


 15.4226, 7.2865,
30.7306


 15.4226, 7.2865,
30.7306

 15.4225, 7.2864,
30.7307

 15.9169, 7.8014,
30.8041

 16.5464, 8.5782,
30.9208

 17.3710, 9.7362,
31.1009

 18.4146, 11.3230,
31.3521

 19.6976, 13.3795,
31.6815

■ 21.2381, 15.9417,
32.0948

■ 23.0522, 19.0420,
32.5976

■ 25.1549, 22.7103,
33.1949

■ 27.5600, 26.9741,
33.8911

Harmonies

Analogous

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



10.5549, 7.2865, 52.4135



15.4226, 7.2865, 30.7306



18.1609, 7.2865, 10.9006

Triad

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



15.4226, 7.2865, 30.7306



7.8961, 7.2865, 0.0000



1.8971, 7.2865, 20.7144

Complementary

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



15.4226, 7.2865, 30.7306



11.6801, 22.9315, 3.8110

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.



1.6587, 7.2865, 5.5609



15.4226, 7.2865, 30.7306



4.2412, 7.2865, 0.0000

Square

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



15.4226, 7.2865, 30.7306



12.8308, 7.2865, 0.0000



2.3162, 7.2865, 0.5799



3.1841, 7.2865, 43.5987

Rectangle

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



15.4226, 7.2865, 30.7306



17.8633, 7.2865, 3.7783



2.3162, 7.2865, 0.5799



1.7201, 7.2865, 14.3740

Sweetspot

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



15.4229, 7.2868, 30.7308



41.0741, 33.7401, 58.3196



6.0074, 2.8149, 30.3639



8.7827, 6.9573, 12.7975



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.4229, 7.2868, 30.7308



27.5084, 12.9916, 55.0297



15.2903, 7.6339, 11.9536



6.3818, 6.2827, 7.8053



12.7662, 6.0323, 25.3992



0.2102, 0.1001, 0.3806

Inverse Universe

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



13.2634, 6.8232, 1.2803



23.7131, 12.2030, 2.0830



12.1079, 23.0692, 7.5699



6.2400, 6.2352, 6.6442



10.9693, 5.6420, 1.0976



0.1714, 0.0873, 0.0557

Previews

White Background



This preview shows how the XYZ color 15.4226, 7.2865, 30.7306 looks on a white background.

Color Contrast Check

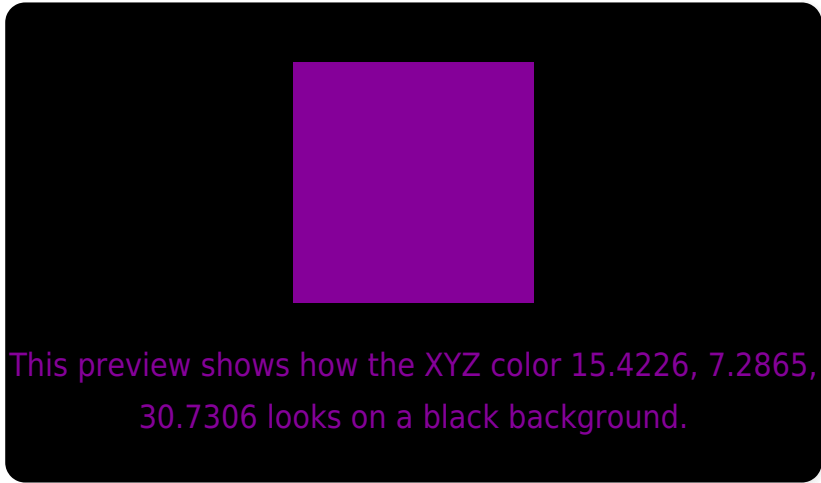
Large Text (above 18pt) WCAG AA ✓ Pass

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

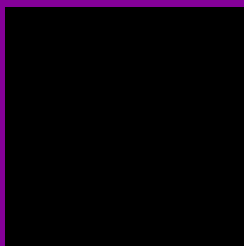
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4226, 7.2865, 30.7306

Background



This preview shows how black text looks on a background with the XYZ color 15.4226, 7.2865, 30.7306.



This preview shows how white text looks on a background with the XYZ color 15.4226, 7.2865,

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

15.4226, 7.2865, 30.7306

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.9004, 7.8680, 27.0889



Tritanopia

10.5673, 7.7395, 5.7874

Trichromacy



Original Color

15.4226, 7.2865, 30.7306

Protanomaly

8.5752, 5.3282, 33.3774

Deuteranomaly

7.7134, 5.1909, 28.1992

Tritanomaly

11.4086, 6.6664, 11.7518

Monochromacy



Original Color

15.4226, 7.2865, 30.7306

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3090, 3.9658, 10.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4226, 7.2865, 30.7306 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(133, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 153)  
}
```

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(133, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.4226, 7.2865, 30.7306 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(133, 0, 153) }
```


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

```
.border{ border-color:rgb(133, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4226, 7.2865, 30.7306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 153) }
```

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

```
.background{ background-color: rgb(133, 0,  
153) }
```

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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