

Converting Colors

XYZ(15.0280, 7.1312, 28.5591)

Have a look what the booklet for
XYZ(15.0280, 7.1312, 28.5591)
contains.

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Color

**XYZ(15.0182, 7.1247,
28.6006)**

Conversions

Conversions Part 1

Format	Color
Hex	850094
RGB	133, 0, 148
RGB Percent	52%, 0%, 58%
CMY	0.4784, 1.0000, 0.4196
CMYK	0.10, 1.00, 0.00, 0.42
HSL	294°, 100%, 29%
HSV	294°, 100%, 58%
XYZ	15.0182, 7.1247, 28.6006
YIQ	56.6390, 31.7600, 74.2240

Conversions

Conversions Part 2

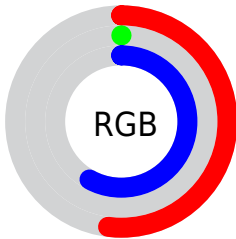
Format	Color
R_{YB}	133, 0, 148
Decimal	8716436
CIE _{Lab}	32.09, 63.03, -45.17
CIE _{LCh}	32, 77.546, 324.371
Yxy	7.1247, 0.2960, 0.1404
Android (android.graphics.Color)	4286906516 (0xFF850094)
YUV	56.6390, 45.0410, 66.9686
Hunter-Lab	26.6921, 53.7209, -44.8447

Details

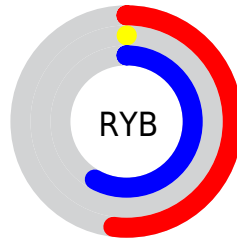
The XYZ color **15.0182, 7.1247, 28.6006** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.7871, 21.2815, 3.5395**, and the grayscale version is **3.7829, 3.9799, 4.3341**.

A 20% lighter version of the original color is **34.5308, 20.2911, 58.5965**, and **5.2532, 2.4642, 11.2651** is the 20% darker color. If you saturate the color by 10%, you get **15.0183, 7.1247, 28.6007**, and if you desaturate by 10%, it is **15.4251, 7.5841, 28.6679**.

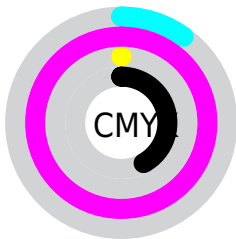
Distribution



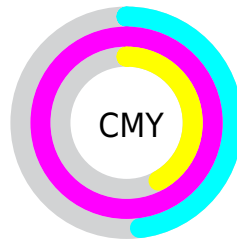
- Red (52%)
- Green (0%)
- Blue (58%)



- Red (52%)
- Yellow (0%)
- Blue (58%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



- Cyan (48%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0182, 7.1247, 28.6006 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 15.0182, 7.1247, 28.6006 by changing the saturation by 10% instead.

■ 15.0182, 7.1247,
28.6006

■ 15.0182, 7.1247,
28.6006

216.8625,
168.6959, 309.3275

■ 8.9186, 3.5402,
18.5359

■ 34.4565, 20.2236,
58.4765

■ 4.7448, 1.4198,
11.1620

■ 48.5259, 30.5069,
79.1248

■ 2.1315, 0.2313,
6.0604

■ 65.9825, 43.7918,
104.1381

■ 0.7063, 0.0000,
2.8124

■ 87.1918, 60.4628,
133.9348


■ 0.0000, 0.0000,
0.9997


■ 112.5191, 80.9044,
168.9336


■ 0.0000, 0.0000,
0.0000


■ 142.3298,


105.5008, 209.5529

 176.9891,
134.6365, 256.2114

 15.0182, 7.1247,
28.6006

 15.0182, 7.1247,
28.6006


 15.0183, 7.1247,
28.6007

 15.4251, 7.5841,
28.6679

 15.9534, 8.2814,
28.7747

 16.6603, 9.3310,
28.9400

 17.5678, 10.7768,
29.1713

 18.6947, 12.6561,
29.4746

■ 20.0575, 15.0022,
29.8556

■ 21.6711, 17.8449,
30.3193

■ 23.5494, 21.2117,
30.8701

■ 25.7050, 25.1278,
31.5124

Harmonies

Analogous

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



10.4170, 7.1247, 49.2731



15.0182, 7.1247, 28.6006



17.5009, 7.1247, 10.0946

Triad

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



15.0182, 7.1247, 28.6006



7.5450, 7.1247, 0.0000



1.9400, 7.1247, 20.6516

Complementary

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



15.0182, 7.1247, 28.6006



10.7871, 21.2815, 3.5395

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.



1.6747, 7.1247, 5.8124



15.0182, 7.1247, 28.6006



4.0949, 7.1247, 0.0000

Square

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



15.0182, 7.1247, 28.6006



12.2343, 7.1247, 0.0000



2.2824, 7.1247, 0.7098



3.2392, 7.1247, 42.3071

Rectangle

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



15.0182, 7.1247, 28.6006



17.1248, 7.1247, 3.5123



2.2824, 7.1247, 0.7098



1.7552, 7.1247, 14.5111

Sweetspot

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



15.0185, 7.1250, 28.6008



38.0521, 31.1568, 53.4429



5.5502, 2.5477, 28.2163



8.4277, 6.6544, 12.1251



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.0185, 7.1250, 28.6008



26.4156, 12.5282, 50.4605



14.1129, 7.0561, 10.5770



5.9780, 5.8797, 7.2895



12.8410, 6.0924, 24.4302



0.1706, 0.0815, 0.2996

Inverse Universe

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



12.2992, 6.3306, 1.0260



21.6696, 11.1571, 1.6448



11.3221, 21.4727, 7.3848



5.8233, 5.8244, 6.1755



10.5106, 5.4093, 0.9040



0.1333, 0.0681, 0.0358

Previews

White Background



This preview shows how the XYZ color 15.0182, 7.1247, 28.6006 looks on a white background.

Color Contrast Check

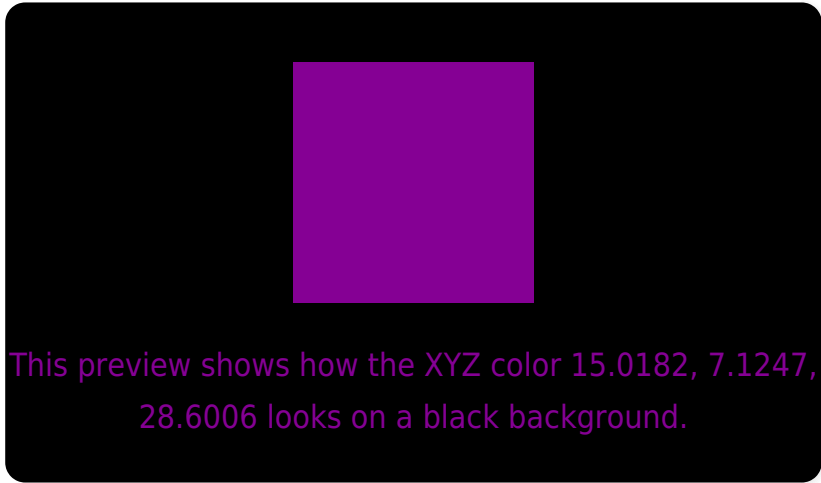
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0182, 7.1247, 28.6006

Background



This preview shows how black text looks on a background with the XYZ color 15.0182, 7.1247, 28.6006.



This preview shows how white text looks on a background with the XYZ color 15.0182, 7.1247,

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

15.0182, 7.1247, 28.6006

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.8822, 7.7836, 25.5130



Tritanopia

10.4086, 7.5115, 5.4587

Trichromacy



Original Color

15.0182, 7.1247, 28.6006



Protanomaly

8.2766, 5.1426, 32.0089



Deuteranomaly

8.1162, 5.3774, 26.2014



Tritanomaly

11.2415, 6.5491, 11.0275

Monochromacy



Original Color

15.0182, 7.1247, 28.6006



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.2227, 3.9312, 10.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0182, 7.1247, 28.6006 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.0182, 7.1247, 28.6006 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, 148) }
```


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

```
.border{ border-color:rgb(133, 0, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0182, 7.1247, 28.6006 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, 148) }
```

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

```
.background{ background-color: rgb(133, 0,  
148) }
```

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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