

Converting Colors

XYZ(15.7849, 7.0479, 49.9630)

Have a look what the booklet for
XYZ(15.7849, 7.0479, 49.9630)
contains.

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Color

**XYZ(15.7106, 7.0128,
49.8158)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00BF
RGB	109, 0, 191
RGB Percent	43%, 0%, 75%
CMY	0.5725, 1.0000, 0.2510
CMYK	0.43, 1.00, 0.00, 0.25
HSL	274°, 100%, 37%
HSV	274°, 100%, 75%
XYZ	15.7106, 7.0128, 49.8158
YIQ	54.3650, 3.6530, 82.5090

Conversions

Conversions Part 2

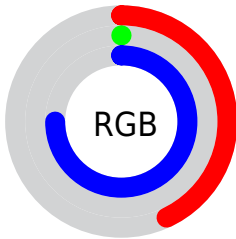
Format	Color
RYB	109, 0, 191
Decimal	7143615
CIELab	31.84, 68.21, -71.63
CIELCh	32, 98.917, 313.598
Yxy	7.0128, 0.2166, 0.0967
Android (android.graphics.Color)	4285333695 (0xFF6D00BF)
YUV	54.3650, 67.3611, 47.9149
Hunter-Lab	26.4817, 59.5544, -92.9957

Details

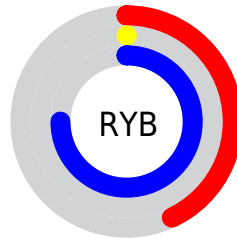
The XYZ color **15.7106, 7.0128, 49.8158** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **22.1103, 39.0555, 6.3731**, and the grayscale version is **3.4707, 3.6514, 3.9764**.

A 20% lighter version of the original color is **35.6961, 20.0619, 91.6135**, and **5.5706, 2.3584, 23.4542** is the 20% darker color. If you saturate the color by 10%, you get **15.7111, 7.0130, 49.8160**, and if you desaturate by 10%, it is **17.0020, 8.0267, 49.9436**.

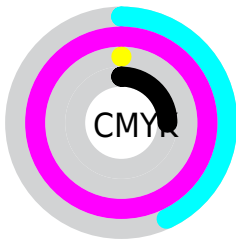
Distribution



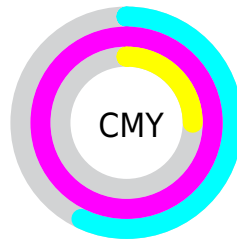
- Red (43%)
- Green (0%)
- Blue (75%)



- Red (43%)
- Yellow (0%)
- Blue (75%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (57%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7106, 7.0128, 49.8158 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 15.7106, 7.0128, 49.8158 by changing the saturation by 10% instead.

15.7106, 7.0128,
49.8158

15.7106, 7.0128,
49.8158

220.9320,
167.7700, 402.6596

9.4091, 3.4701,
34.8969

35.6566, 19.9990,
91.2954

5.0682, 1.3818,
23.3006

50.0318, 30.2112,
118.6932

2.3225, 0.2033,
14.6082

67.8290, 43.4154,
151.0876

0.8062, 0.0000,
8.4013

89.4135, 59.9960,
188.8974

0.0000, 0.0000,
4.2614

115.1508, 80.3374,
232.5409


0.0000, 0.0000,
1.7698

145.4060,

0.0000, 0.0000,

104.8239, 282.4367


0.4079


 180.5447,
133.8400, 339.0035

 0.0000, 0.0000,
0.0000

 15.7106, 7.0128,
49.8158


 15.7106, 7.0128,
49.8158


 15.7111, 7.0130,
49.8160

 17.0020, 8.0267,
49.9436

 18.6199, 9.5510,
50.1526

 20.6503, 11.7533,
50.4706

 23.1375, 14.7191,
50.9120

 26.1194, 18.5206,
51.4886

■ 29.6295, 23.2216,
52.2110

■ 33.6979, 28.8795,
53.0886

■ 38.3523, 35.5466,
54.1302

■ 43.6186, 43.2716,
55.3437

Harmonies

Analogous

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



9.1849, 7.0128, 77.5636



15.7106, 7.0128, 49.8158



20.7529, 7.0128, 18.3172

Triad

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



15.7106, 7.0128, 49.8158



9.7577, 7.0128, 0.0000



1.0133, 7.0128, 16.0878

Complementary

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



15.7106, 7.0128, 49.8158



22.1103, 39.0555, 6.3731

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.



1.0483, 7.0128, 2.2087



15.7106, 7.0128, 49.8158



4.6548, 7.0128, 0.0000

Square

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



15.7106, 7.0128, 49.8158



16.3057, 7.0128, 0.0000



1.9973, 7.0128, 0.0000



1.8524, 7.0128, 46.5706

Rectangle

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



15.7106, 7.0128, 49.8158



21.5551, 7.0128, 6.0380



1.9973, 7.0128, 0.0000



0.9438, 7.0128, 9.4931

Sweetspot

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



15.7111, 7.0130, 49.8160



59.9834, 51.2017, 95.0006



12.4795, 9.9125, 50.5460



12.4658, 10.2541, 20.7075



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



15.7111, 7.0130, 49.8160



27.8546, 12.4139, 89.2072



29.5487, 14.3015, 43.4632



9.5236, 9.4868, 12.0014



10.4187, 4.6571, 32.7427



0.4816, 0.2203, 1.2860

Inverse Universe

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



23.0088, 11.6856, 9.0249



41.0927, 20.8824, 15.5520



18.7018, 37.2901, 6.5838



9.6956, 9.6025, 10.7861



15.1597, 7.6951, 6.1348



0.6266, 0.3145, 0.4131

Previews

White Background



This preview shows how the XYZ color 15.7106, 7.0128, 49.8158 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

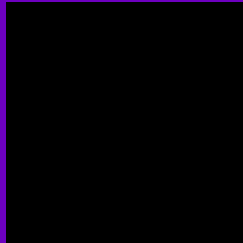
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7106, 7.0128, 49.8158

Background



This preview shows how black text looks on a background with the XYZ color 15.7106, 7.0128, 49.8158.



This preview shows how white text looks on a background with the XYZ color 15.7106, 7.0128,

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

15.7106, 7.0128, 49.8158

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.2418, 7.4866, 23.9850



Tritanopia

7.5529, 7.3616, 8.6123

Trichromacy



Original Color

15.7106, 7.0128, 49.8158

Protanomaly

9.0935, 5.4296, 38.1049

Deuteranomaly

7.9753, 5.1853, 31.5909

Tritanomaly

8.9209, 5.7163, 18.4025

Monochromacy



Original Color

15.7106, 7.0128, 49.8158

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.8948, 3.5994, 13.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7106, 7.0128, 49.8158 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(109, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 191)  
}
```

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(109, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 15.7106, 7.0128, 49.8158 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(109, 0, 191) }
```


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

```
.border{ border-color:rgb(109, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7106, 7.0128, 49.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 191) }
```

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

```
.background{ background-color: rgb(109, 0,  
191) }
```

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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