

Converting Colors

XYZ(17.3185, 7.9931, 48.2054)

Have a look what the booklet for
XYZ(17.3185, 7.9931, 48.2054)
contains.

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Color

**XYZ(17.3215, 7.9938,
48.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	7B07BC
RGB	123, 7, 188
RGB Percent	48%, 3%, 74%
CMY	0.5176, 0.9725, 0.2627
CMYK	0.35, 0.96, 0.00, 0.26
HSL	278°, 93%, 38%
HSV	278°, 96%, 74%
XYZ	17.3215, 7.9938, 48.2070
YIQ	62.3180, 11.0350, 80.8830

Conversions

Conversions Part 2

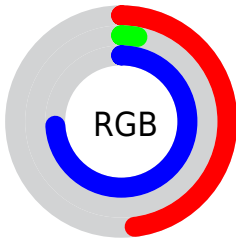
Format	Color
RYB	123, 7, 188
Decimal	8062908
CIELab	33.97, 68.09, -66.28
CIElCh	34, 95.021, 315.773
Yxy	7.9938, 0.2356, 0.1087
Android (android.graphics.Color)	4286252988 (0xFF7B07BC)
YUV	62.3180, 61.9612, 53.2181
Hunter-Lab	28.2733, 59.8788, -81.3002

Details

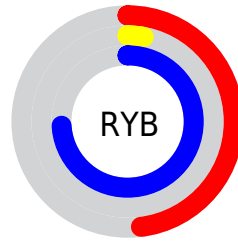
The XYZ color **17.3215, 7.9938, 48.2070** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.6942, 37.3597, 6.3215**, and the grayscale version is **4.5373, 4.7736, 5.1985**.

A 20% lighter version of the original color is **38.2619, 21.8651, 88.5900**, and **6.3480, 2.7834, 22.3930** is the 20% darker color. If you saturate the color by 10%, you get **16.8908, 7.6589, 48.1652**, and if you desaturate by 10%, it is **18.6104, 9.0874, 48.3503**.

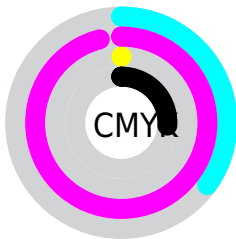
Distribution



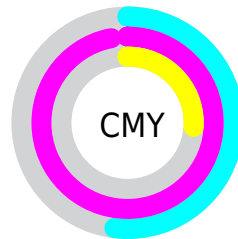
- Red (48%)
- Green (3%)
- Blue (74%)



- Red (48%)
- Yellow (3%)
- Blue (74%)



- Cyan (35%)
- Magenta (96%)
- Yellow (0%)
- Black (26%)



- Cyan (52%)
- Magenta (97%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3215, 7.9938, 48.2070 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 17.3215, 7.9938, 48.2070 by changing the saturation by 10% instead.

■ 17.3215, 7.9938,
48.2070

■ 17.3215, 7.9938,
48.2070

■ 230.1386,
175.6834, 396.1444

■ 10.5607, 4.0910,
33.6297

■ 38.4169, 21.9463,
88.8813

■ 5.8374, 1.7246,
22.3342

■ 53.4823, 32.7647,
115.8153

■ 2.7862, 0.4395,
13.9020

■ 72.0465, 46.6572,
147.7054

■ 1.0417, 0.0000,
7.9146

■ 94.4750, 64.0081,
184.9699

■ 0.0000, 0.0000,
3.9533

■ 121.1331, 85.2017,
228.0276


■ 0.0000, 0.0000,
1.5998

■ 152.3862,


■ 0.0000, 0.0000,


110.6226, 277.2969

0.2907


 188.5996,
140.6550, 333.1963


 0.0000, 0.0000,
0.0000


 17.3215, 7.9938,
48.2070


 17.3215, 7.9938,
48.2070

 16.8908, 7.6589,
48.1652

 18.6104, 9.0874,
48.3503

 20.2361, 10.7541,
48.5864

 22.2492, 13.0933,
48.9318

 24.6889, 16.1809,
49.3991

 27.5888, 20.0827,
49.9994

■ 30.9789, 24.8570,
50.7423

■ 34.8866, 30.5566,
51.6365

■ 39.3368, 37.2301,
52.6900

■ 44.3530, 44.9225,
53.9104

Harmonies

Analogous

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



10.6721, 7.9938, 76.2412



17.3215, 7.9938, 48.2070



22.1076, 7.9938, 17.8738

Triad

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



17.3215, 7.9938, 48.2070



10.3469, 7.9938, 0.0000



1.4478, 7.9938, 19.1132

Complementary

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



17.3215, 7.9938, 48.2070



20.6942, 37.3597, 6.3215

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.



1.4247, 7.9938, 3.3712



17.3215, 7.9938, 48.2070



5.1792, 7.9938, 0.0000

Square

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



17.3215, 7.9938, 48.2070



16.9915, 7.9938, 0.0000



2.4301, 7.9938, 0.0000



2.5208, 7.9938, 49.9464

Rectangle

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



17.3215, 7.9938, 48.2070



22.6364, 7.9938, 6.1168



2.4301, 7.9938, 0.0000



1.3420, 7.9938, 11.9336

Sweetspot

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



17.3220, 7.9941, 48.2072



60.8555, 51.8860, 93.0338



11.5716, 8.4897, 48.6060



12.4396, 10.2150, 19.8586



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.3220, 7.9941, 48.2072



30.3342, 13.7375, 87.2790



27.5040, 13.5190, 36.2190



9.5886, 9.5203, 12.0044



11.5835, 5.2576, 32.7972



0.5227, 0.2415, 1.2879

Inverse Universe

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



21.9849, 11.3113, 7.1555



39.3441, 20.0796, 11.0149



18.3201, 36.1114, 7.3104



9.6679, 9.5915, 10.6403



14.8531, 7.5724, 4.5203



0.6134, 0.3093, 0.3436

Previews

White Background



This preview shows how the XYZ color 17.3215, 7.9938, 48.2070 looks on a white background.

Color Contrast Check

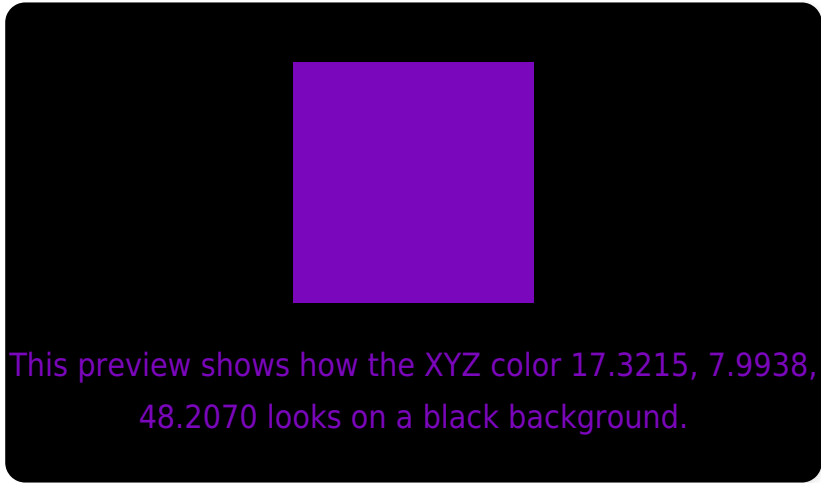
Large Text (above 18pt) WCAG AA ✓ Pass

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

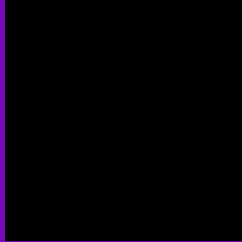
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3215, 7.9938, 48.2070

Background



This preview shows how black text looks on a background with the XYZ color 17.3215, 7.9938, 48.2070.



This preview shows how white text looks on a background with the XYZ color 17.3215, 7.9938,

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

17.3215, 7.9938, 48.2070

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.1282, 8.3238, 27.1649



Tritanopia

9.4536, 8.3456, 8.5097

Trichromacy



Original Color

17.3215, 7.9938, 48.2070



Protanomaly

9.9953, 6.1601, 40.7066



Deuteranomaly

8.7544, 5.8894, 33.4763



Tritanomaly

10.9008, 6.9281, 18.2155

Monochromacy



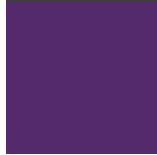
Original Color

17.3215, 7.9938, 48.2070



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.1909, 4.6235, 14.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3215, 7.9938, 48.2070 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(123, 7, 188)` looks like.

```
.text, #text, p{  
    color:rgb(123, 7, 188)  
}
```

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(123, 7, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 7, 188) }
```

Border

The CSS property to change the border of an element to XYZ 17.3215, 7.9938, 48.2070 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(123, 7, 188) }
```


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

```
.border{ border-color:rgb(123, 7, 188) }
```

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

Here you see how a box with a 4 pixel rgb(123, 7, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 7, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 7, 188);  
box-shadow:4px 4px 4px 4px rgb(123, 7,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3215, 7.9938, 48.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 7, 188) }
```

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

```
.background{ background-color: rgb(123, 7,  
188) }
```

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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