

Converting Colors

XYZ(17.5125, 7.9385, 50.0439)

Have a look what the booklet for
XYZ(17.5125, 7.9385, 50.0439)
contains.

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Color

**XYZ(17.4300, 7.8992,
49.8962)**

Conversions

Conversions Part 1

Format	Color
Hex	7A00BF
RGB	122, 0, 191
RGB Percent	48%, 0%, 75%
CMY	0.5216, 1.0000, 0.2510
CMYK	0.36, 1.00, 0.00, 0.25
HSL	278°, 100%, 37%
HSV	278°, 100%, 75%
XYZ	17.4300, 7.8992, 49.8962
YIQ	58.2520, 11.4010, 85.2650

Conversions

Conversions Part 2

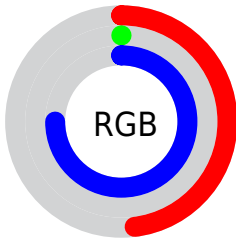
Format	Color
R_{YB}	122, 0, 191
Decimal	7995583
CIE _{Lab}	33.77, 69.53, -68.38
CIE _{LCh}	34, 97.523, 315.479
Yxy	7.8992, 0.2317, 0.1050
Android (android.graphics.Color)	4286185663 (0xFF7A00BF)
YUV	58.2520, 65.4448, 55.9070
Hunter-Lab	28.1055, 61.5144, -85.5847

Details

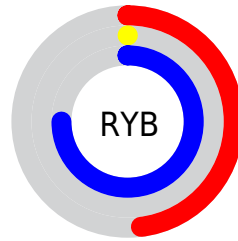
The XYZ color **17.4300, 7.8992, 49.8962** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **21.0851, 38.5269, 6.3252**, and the grayscale version is **3.9700, 4.1767, 4.5484**.

A 20% lighter version of the original color is **38.7394, 21.8322, 91.7948**, and **6.4305, 2.8017, 23.4944** is the 20% darker color. If you saturate the color by 10%, you get **17.4303, 7.8993, 49.8964**, and if you desaturate by 10%, it is **18.6771, 8.8903, 50.0220**.

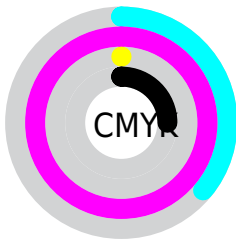
Distribution



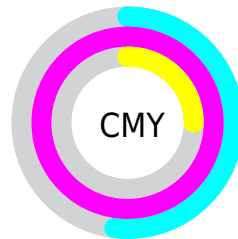
- Red (48%)
- Green (0%)
- Blue (75%)



- Red (48%)
- Yellow (0%)
- Blue (75%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (52%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4300, 7.8992, 49.8962 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 17.4300, 7.8992, 49.8962 by changing the saturation by 10% instead.


 17.4300, 7.8992,
49.8962


 17.4300, 7.8992,
49.8962


230.7465,
174.9392, 402.9833


 10.6387, 4.0305,
34.9603


 38.6014, 21.7606,
91.4158


 5.8900, 1.6906,
23.3490


 53.7122, 32.5221,
118.8366

 2.8183, 0.4176,
14.6437


 72.3269, 46.3500,
151.2561

 1.0584, 0.0000,
8.4259

 94.8109, 63.6287,
189.0928

 0.0000, 0.0000,
4.2770

 121.5295, 84.7426,
232.7654


 0.0000, 0.0000,
1.7785


 152.8481,

 0.0000, 0.0000,

110.0760, 282.6923


0.4137

 189.1320,
140.0134, 339.2921


 0.0000, 0.0000,
0.0000


 17.4300, 7.8992,
49.8962


 17.4300, 7.8992,
49.8962


 17.4303, 7.8993,
49.8964

 18.6771, 8.8903,
50.0220

 20.2249, 10.3786,
50.2276

 22.1584, 12.5310,
50.5412

 24.5209, 15.4325,
50.9767

 27.3493, 19.1550,
51.5462

■ 30.6762, 23.7617,
52.2600

■ 34.5310, 29.3095,
53.1277

■ 38.9404, 35.8504,
54.1578

■ 43.9295, 43.4326,
55.3583

Harmonies

Analogous

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



10.5856, 7.8992, 79.1103



17.4300, 7.8992, 49.8962



22.4213, 7.8992, 18.2469

Triad

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



17.4300, 7.8992, 49.8962



10.3788, 7.8992, 0.0000



1.3321, 7.8992, 19.0408

Complementary

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



17.4300, 7.8992, 49.8962



21.0851, 38.5269, 6.3252

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.



1.3181, 7.8992, 3.1447



17.4300, 7.8992, 49.8962



5.0934, 7.8992, 0.0000

Square

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



17.4300, 7.8992, 49.8962



17.2184, 7.8992, 0.0000



2.3182, 7.8992, 0.0000



2.3740, 7.8992, 51.0251

Rectangle

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



17.4300, 7.8992, 49.8962



23.0076, 7.8992, 6.0937



2.3182, 7.8992, 0.0000



1.2322, 7.8992, 11.7158

Sweetspot

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



17.4305, 7.8994, 49.8964



61.4940, 51.9804, 95.0713



11.5964, 8.1463, 50.2516



12.8347, 10.4443, 20.7248



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.



17.4305, 7.8994, 49.8964



30.9422, 14.0057, 89.3517



28.3262, 13.8126, 37.0258



9.5866, 9.5193, 12.0043



11.5455, 5.2380, 32.7954



0.5214, 0.2408, 1.2879

Inverse Universe

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



22.5601, 11.5061, 6.6621



40.2994, 20.5651, 11.3749



18.8115, 37.3340, 7.1612



9.6688, 9.5918, 10.6447



14.8616, 7.5758, 4.5647



0.6138, 0.3094, 0.3456

Previews

White Background



This preview shows how the XYZ color 17.4300, 7.8992, 49.8962 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

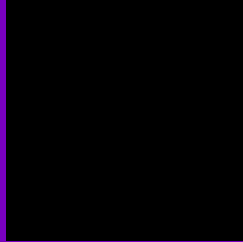
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4300, 7.8992, 49.8962

Background



This preview shows how black text looks on a background with the XYZ color 17.4300, 7.8992, 49.8962.



This preview shows how white text looks on a background with the XYZ color 17.4300, 7.8992,

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

17.4300, 7.8992, 49.8962

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.1282, 8.3238, 27.1649



Tritanopia

9.3309, 8.3780, 8.7147

Trichromacy



Original Color

17.4300, 7.8992, 49.8962



Protanomaly

9.9172, 5.9118, 41.1758



Deuteranomaly

8.6570, 5.6197, 33.8862



Tritanomaly

10.7538, 6.7212, 18.4998

Monochromacy



Original Color

17.4300, 7.8992, 49.8962



Achromatopsia

4.0217, 4.2311, 4.6077



Achromatomaly

6.6564, 4.1131, 14.0787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4300, 7.8992, 49.8962 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(122, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 17.4300, 7.8992, 49.8962 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(122, 0, 191) }
```


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

```
.border{ border-color:rgb(122, 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(122, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4300, 7.8992, 49.8962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 191) }
```

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

```
.background{ background-color: rgb(122, 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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