

Converting Colors

XYZ(17.4978, 9.5022, 35.0499)

Have a look what the booklet for
XYZ(17.4978, 9.5022, 35.0499)
contains.

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Color

**XYZ(17.5029, 9.4988,
35.0934)**

Conversions

Conversions Part 1

Format	Color
Hex	882AA2
RGB	136, 42, 162
RGB Percent	53%, 16%, 64%
CMY	0.4667, 0.8353, 0.3647
CMYK	0.16, 0.74, 0.00, 0.36
HSL	287°, 59%, 40%
HSV	287°, 74%, 64%
XYZ	17.5029, 9.4988, 35.0934
YIQ	83.7860, 17.5040, 57.2480

Conversions

Conversions Part 2

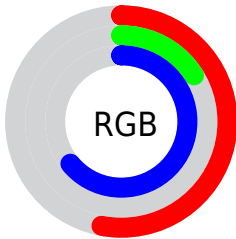
Format	Color
RYB	136, 42, 162
Decimal	8923810
CIELab	36.93, 56.33, -45.87
CIElCh	37, 72.643, 320.842
Yxy	9.4988, 0.2819, 0.1530
Android (android.graphics.Color)	4287113890 (0xFF882AA2)
YUV	83.7860, 38.5595, 45.7917
Hunter-Lab	30.8201, 47.4358, -45.9366

Details

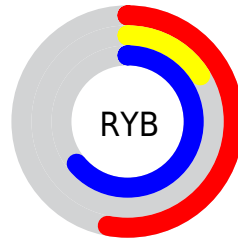
The XYZ color **17.5029, 9.4988, 35.0934** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.7224, 27.2370, 6.6194**, and the grayscale version is **8.3040, 8.7364, 9.5140**.

A 20% lighter version of the original color is **38.6678, 24.8178, 69.0820**, and **6.2400, 2.8980, 14.6985** is the 20% darker color. If you saturate the color by 10%, you get **16.4795, 8.2840, 34.9130**, and if you desaturate by 10%, it is **18.7780, 11.1884, 35.3525**.

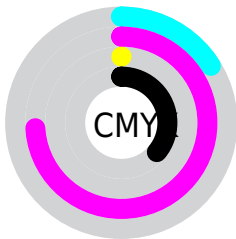
Distribution



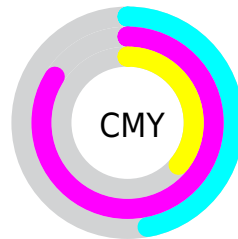
- Red (53%)
- Green (16%)
- Blue (64%)



- Red (53%)
- Yellow (16%)
- Blue (64%)



- Cyan (16%)
- Magenta (74%)
- Yellow (0%)
- Black (36%)




- Cyan (47%)
- Magenta (84%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5029, 9.4988, 35.0934 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 17.5029, 9.4988, 35.0934 by changing the saturation by 10% instead.


 17.5029, 9.4988,
35.0934


 17.5029, 9.4988,
35.0934


231.1542,
187.0565, 339.8972


 10.6912, 5.0679,
23.4507


 38.7252, 24.8484,
68.7836


 5.9254, 2.2872,
14.7182


 53.8665, 36.5360,
91.6683

 2.8400, 0.7669,
8.4775


 72.5151, 51.4112,
119.1373

 1.0697, 0.0000,
4.3098

 95.0363, 69.8586,
151.6092

 0.0000, 0.0000,
1.7968

 121.7954, 92.2623,
189.5027

 0.0000, 0.0000,
0.4258

 153.1579,

 0.0000, 0.0000,

119.0070, 233.2361

0.0000

189.4890,
150.4769, 283.2281

■ 17.5029, 9.4988,
35.0934

■ 17.5029, 9.4988,
35.0934

■ 16.4795, 8.2840,
34.9130

■ 18.7780, 11.1884,
35.3525

■ 15.6763, 7.4828,
34.8007

■ 20.3288, 13.4018,
35.6980

■ 15.2593, 7.1131,
34.7513

■ 22.1777, 16.1830,
36.1374

■ 24.3441, 19.5711,
36.6771

■ 26.8462, 23.6015,
37.3232

■ 29.7003, 28.3072,
38.0811

■ 32.9219, 33.7185,
38.9558

■ 36.5254, 39.8642,
39.9521

■ 40.5244, 46.7713,
41.0745

Harmonies

Analogous

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



12.4576, 9.4988, 54.8583



17.5029, 9.4988, 35.0934



20.5000, 9.4988, 14.7928

Triad

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



17.5029, 9.4988, 35.0934



10.4717, 9.4988, 0.0000



3.1289, 9.4988, 21.8547

Complementary

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



17.5029, 9.4988, 35.0934



15.7224, 27.2370, 6.6194

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.



2.9100, 9.4988, 6.8885



17.5029, 9.4988, 35.0934



6.2943, 9.4988, 0.0000

Square

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



17.5029, 9.4988, 35.0934



15.6427, 9.4988, 0.5131



3.8561, 9.4988, 1.2722



4.6040, 9.4988, 43.7498

Rectangle

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



17.5029, 9.4988, 35.0934



20.4240, 9.4988, 6.3574



3.8561, 9.4988, 1.2722



2.9307, 9.4988, 15.7192

Sweetspot

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



17.5033, 9.4992, 35.0936



49.5490, 44.1730, 67.9708



9.5439, 7.2355, 35.0762



10.8478, 9.4629, 15.1923



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5033, 9.4992, 35.0936



28.9108, 13.9996, 63.2345



19.6248, 10.8961, 21.4913



7.2135, 7.1244, 8.8980



12.0589, 5.6231, 27.3796



0.2888, 0.1364, 0.5770

Inverse Universe

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



16.7719, 9.7550, 6.4681



28.2907, 14.9404, 6.2572



15.1800, 26.8550, 11.2214



7.1337, 7.1099, 7.6904



11.9927, 6.1531, 1.8862



0.2678, 0.1356, 0.1231

Previews

White Background



This preview shows how the XYZ color 17.5029, 9.4988, 35.0934 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



This preview shows how the XYZ color 17.5029, 9.4988, 35.0934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

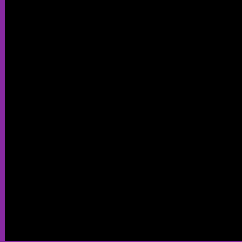
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5029, 9.4988, 35.0934

Background



This preview shows how black text looks on a background with the XYZ color 17.5029, 9.4988, 35.0934.



This preview shows how white text looks on a background with the XYZ color 17.5029, 9.4988,

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

17.5029, 9.4988, 35.0934

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.9702, 9.7692, 31.9320



Tritanopia

12.0699, 9.6002, 8.4246

Trichromacy



Original Color

17.5029, 9.4988, 35.0934



Protanomaly

10.9376, 7.9263, 40.4886



Deuteranomaly

10.8574, 8.3343, 32.9347



Tritanomaly

13.3850, 9.1386, 15.5264

Monochromacy



Original Color

17.5029, 9.4988, 35.0934



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

10.6463, 8.3097, 16.3720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5029, 9.4988, 35.0934 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(136, 42, 162)` looks like.

```
.text, #text, p{  
    color:rgb(136, 42, 162)  
}
```

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(136, 42, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 42, 162) }
```

Border

The CSS property to change the border of an element to XYZ 17.5029, 9.4988, 35.0934 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(136, 42, 162) }
```


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

```
.border{ border-color:rgb(136, 42, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 42, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 42, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 42, 162);  
box-shadow:4px 4px 4px 4px rgb(136, 42,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5029, 9.4988, 35.0934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 42, 162) }
```

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

```
.background{ background-color: rgb(136, 42,  
162) }
```

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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