

Converting Colors

XYZ(17.4305, 8.4898, 23.2249)

Have a look what the booklet for
XYZ(17.4305, 8.4898, 23.2249)
contains.

XYZ(17.4399, 8.4935, 23.2745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.4399, 8.4935,
23.2745)**

Conversions

Conversions Part 1

Format	Color
Hex	990086
RGB	153, 0, 134
RGB Percent	60%, 0%, 53%
CMY	0.4000, 0.9999, 0.4745
CMYK	0.00, 1.00, 0.12, 0.40
HSL	307°, 100%, 30%
HSV	307°, 100%, 60%
XYZ	17.4399, 8.4935, 23.2745
YIQ	61.0230, 48.1740, 74.1100

Conversions

Conversions Part 2

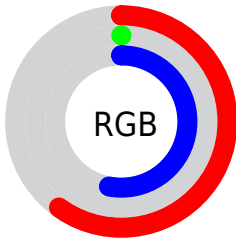
Format	Color
RYB	153, 0, 134
Decimal	10027142
CIELab	34.99, 64.34, -31.67
CIElCh	35, 71.709, 333.792
Yxy	8.4935, 0.3544, 0.1726
Android (android.graphics.Color)	4288217222 (0xFF990086)
YUV	61.0230, 35.9777, 80.6638
Hunter-Lab	29.1436, 55.8153, -26.9493

Details

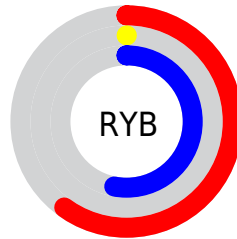
The XYZ color **17.4399, 8.4935, 23.2745** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.5092, 22.8298, 4.4168**, and the grayscale version is **4.3859, 4.6144, 5.0250**.

A 20% lighter version of the original color is **38.6655, 22.9285, 49.9647**, and **6.5300, 3.1815, 8.6574** is the 20% darker color. If you saturate the color by 10%, you get **17.4399, 8.4935, 23.2739**, and if you desaturate by 10%, it is **17.7491, 8.8977, 24.0374**.

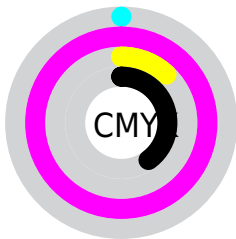
Distribution



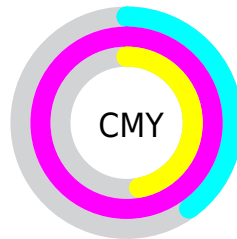
- Red (60%)
- Green (0%)
- Blue (53%)



- Red (60%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4399, 8.4935, 23.2745 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 17.4399, 8.4935, 23.2745 by changing the saturation by 10% instead.


 17.4399, 8.4935,
23.2745


 17.4399, 8.4935,
23.2745


230.8019,
179.5531, 282.2992


 10.6459, 4.4123,
14.5891


 38.6182, 22.9204,
49.7726


 5.8948, 1.9068,
8.3881


 53.7332, 34.0348,
68.4223

 2.8212, 0.5524,
4.2530

 72.3525, 48.2625,
91.2306

 1.0600, 0.0000,
1.7651

 94.8415, 65.9879,
118.6160

 0.0000, 0.0000,
0.4048

 121.5656, 87.5952,
150.9970

 0.0000, 0.0000,
0.0000

 152.8902,

113.4689, 188.7922

189.1805,
143.9934, 232.4201

17.4399, 8.4935,
23.2745

17.4399, 8.4935,
23.2745

17.4399, 8.4935,
23.2739

17.7491, 8.8977,
24.0374

18.1900, 9.5616,
24.8560

18.8223, 10.6044,
25.7503

19.6698, 12.0740,
26.7282

20.7531, 14.0110,
27.7968

■ 22.0900, 16.4515,
28.9619

■ 23.6969, 19.4280,
30.2291

■ 25.5886, 22.9702,
31.6034

■ 27.7790, 27.1057,
33.0895

Harmonies

Analogous

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



13.3133, 8.4935, 43.6841



17.4399, 8.4935, 23.2745



18.8025, 8.4935, 7.8307

Triad

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



17.4399, 8.4935, 23.2745



7.5615, 8.4935, 0.0000



3.1257, 8.4935, 28.4074

Complementary

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



17.4399, 8.4935, 23.2745



11.5092, 22.8298, 4.4168

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.



2.4767, 8.4935, 10.8267



17.4399, 8.4935, 23.2745



4.4273, 8.4935, 0.0513

Square

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



17.4399, 8.4935, 23.2745



12.0894, 8.4935, 0.0000



2.8562, 8.4935, 2.4217



5.0618, 8.4935, 48.0342

Rectangle

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



17.4399, 8.4935, 23.2745



17.6763, 8.4935, 2.7933



2.8562, 8.4935, 2.4217



2.7863, 8.4935, 21.7107

Sweetspot

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



17.4402, 8.4939, 23.2747



42.2505, 34.4435, 53.9944



5.9969, 2.4276, 30.2897



9.0742, 7.1316, 11.7256



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.4402, 8.4939, 23.2747



31.1859, 15.1921, 41.4341



13.9177, 7.0849, 4.7256



6.4282, 6.3104, 7.6350



14.4220, 7.0230, 19.2791



0.2237, 0.1082, 0.3308

Inverse Universe

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



17.4402, 8.4939, 23.2747



31.1859, 15.1921, 41.4341



13.4279, 23.5973, 14.5207



6.4282, 6.3104, 7.6350



14.4220, 7.0230, 19.2791



0.2237, 0.1082, 0.3308

Previews

White Background



This preview shows how the XYZ color 17.4399, 8.4935, 23.2745 looks on a white background.

Color Contrast Check

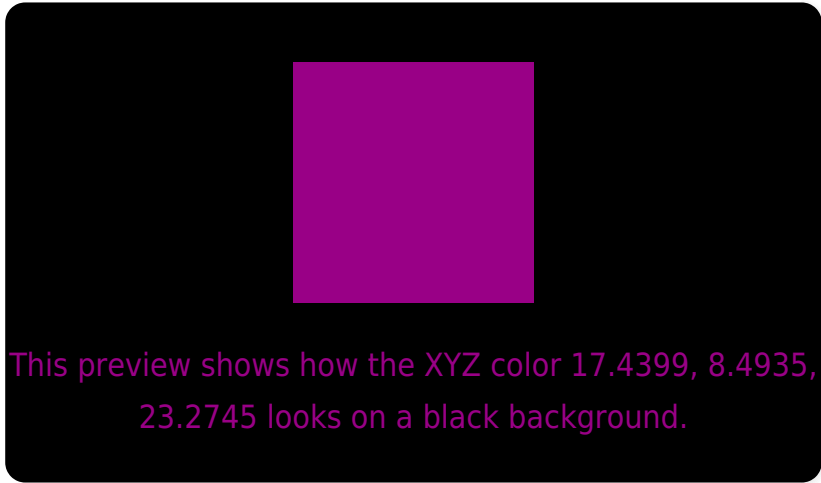
Large Text (above 18pt) WCAG AA ✓ Pass

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

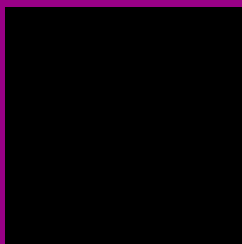
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4399, 8.4935, 23.2745

Background



This preview shows how black text looks on a background with the XYZ color 17.4399, 8.4935, 23.2745.



This preview shows how white text looks on a background with the XYZ color 17.4399, 8.4935,

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

17.4399, 8.4935, 23.2745

Protanopia

10.6573, 9.0906, 41.2374

Deuteranopia

9.3983, 9.2323, 21.0253



Tritanopia

13.8410, 8.9427, 4.7380

Trichromacy



Original Color

17.4399, 8.4935, 23.2745



Protanomaly

9.1169, 5.7999, 33.4399



Deuteranomaly

10.4272, 6.8760, 21.5465



Tritanomaly

14.5667, 8.1737, 9.1974

Monochromacy



Original Color

17.4399, 8.4935, 23.2745



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.1031, 4.5353, 9.7335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4399, 8.4935, 23.2745 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(153, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 134)  
}
```

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(153, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 134) }
```

Border

The CSS property to change the border of an element to XYZ 17.4399, 8.4935, 23.2745 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(153, 0, 134) }
```


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

```
.border{ border-color:rgb(153, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4399, 8.4935, 23.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 134) }
```

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

```
.background{ background-color: rgb(153, 0,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor