

Converting Colors

XYZ(17.3014, 8.8622, 0.0000)

Have a look what the booklet for
XYZ(17.3014, 8.8622, 0.0000)
contains.

XYZ(17.4556, 8.9987, 0.8169)	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(17.4556, 8.9987,
0.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	AE0000
RGB	174, 0, 0
RGB Percent	68%, 0%, 0%
CMY	0.3176, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.32
HSL	0°, 100%, 34%
HSV	0°, 100%, 68%
XYZ	17.4556, 8.9987, 0.8169
YIQ	52.0260, 103.7040, 36.8880

Conversions

Conversions Part 2

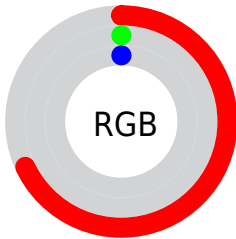
Format	Color
RYB	174, 0, 0
Decimal	11403264
CIELab	35.98, 60.15, 50.35
CIElCh	36, 78.442, 39.934
Yxy	8.9987, 0.6401, 0.3300
Android (android.graphics.Color)	4289593344 (0xFFAE0000)
YUV	52.0260, -25.6488, 106.9712
Hunter-Lab	29.9978, 51.3721, 19.3839

Details

The XYZ color **17.4556, 8.9987, 0.8169** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.7700, 33.3161, 45.2747**, and the grayscale version is **3.2899, 3.4613, 3.7693**.

A 20% lighter version of the original color is **38.5387, 23.8477, 5.4776**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.4558, 8.9993, 0.8170**, and if you desaturate by 10%, it is **17.7669, 9.4546, 1.4354**.

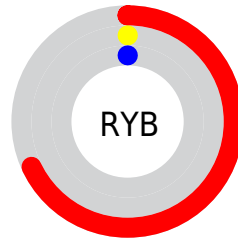
Distribution



Red (68%)

Green (0%)

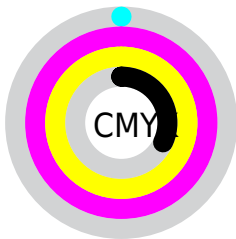
Blue (0%)



Red (68%)

Yellow (0%)

Blue (0%)

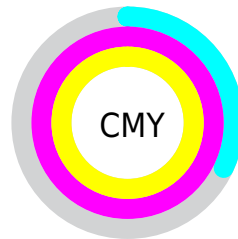


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4556, 8.9987, 0.8169 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 17.4556, 8.9987, 0.8169 by changing the saturation by 10% instead.


 17.4556, 8.9987,
0.8169


 17.4556, 8.9987,
0.8169


 230.8898,
183.3682, 100.0570


 10.6572, 4.7403,
0.0000


 38.6449, 23.8943,
5.4603


 5.9024, 2.0957,
0.0000

 53.7664, 35.3003,
10.2546


 2.8259, 0.6622,
0.0000

 72.3930, 49.8576,
17.2579

 1.0624, 0.0000,
0.0000

 94.8901, 67.9507,
26.8886


 0.0000, 0.0000,
0.0000

 121.6229, 89.9639,
39.5654


 152.9569,


116.2816, 55.7066


 189.2574,
147.2882, 75.7310


 17.4556, 8.9987,
0.8169


 17.4556, 8.9987,
0.8169


 17.4558, 8.9993,
0.8170

 17.7669, 9.4546,
1.4354

 18.3517, 10.3105,
2.5975

 19.3177, 11.7242,
4.5173

 20.7147, 13.7685,
7.2942

 22.5852, 16.5056,
11.0123

■ 24.9664, 19.9900,
15.7460

■ 27.8920, 24.2710,
21.5621

■ 31.3927, 29.3935,
28.5216

■ 35.4970, 35.3990,
36.6812

Harmonies

Analogous

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



20.8035, 8.9987, 5.9960



17.4556, 8.9987, 0.8169



12.0201, 8.9987, 0.0000

Triad

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



17.4556, 8.9987, 0.8169



2.5857, 8.9987, 3.3566



10.1983, 8.9987, 63.2647

Complementary

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



17.4556, 8.9987, 0.8169



22.7700, 33.3161, 45.2747

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.



5.8263, 8.9987, 59.2744



17.4556, 8.9987, 0.8169



2.4052, 8.9987, 14.9405

Square

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



17.4556, 8.9987, 0.8169



3.9854, 8.9987, 0.1321



3.3485, 8.9987, 37.3284



15.7123, 8.9987, 45.7257

Rectangle

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



17.4556, 8.9987, 0.8169



8.5633, 8.9987, 0.0000



3.3485, 8.9987, 37.3284



8.5427, 8.9987, 64.6117

Sweetspot

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



17.4558, 8.9993, 0.8170



50.2861, 43.5753, 38.5000



25.0954, 12.0546, 41.0482



10.6667, 8.9389, 7.5433



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.4558, 8.9993, 0.8170



31.6632, 16.3236, 1.4819



20.8636, 15.8150, 1.9530



8.0054, 8.0156, 8.3386



12.6609, 6.5274, 0.5926



0.3522, 0.1817, 0.0165

Inverse Universe

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



22.7700, 33.3161, 45.2747



41.3028, 60.4323, 82.1246



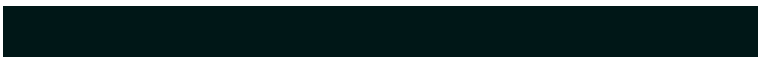
11.0481, 9.8723, 41.3674



8.2362, 9.0719, 10.2696



16.5154, 24.1647, 32.8383



0.4595, 0.6723, 0.9135

Previews

White Background



This preview shows how the XYZ color 17.4556, 8.9987, 0.8169 looks on a white background.

Color Contrast Check

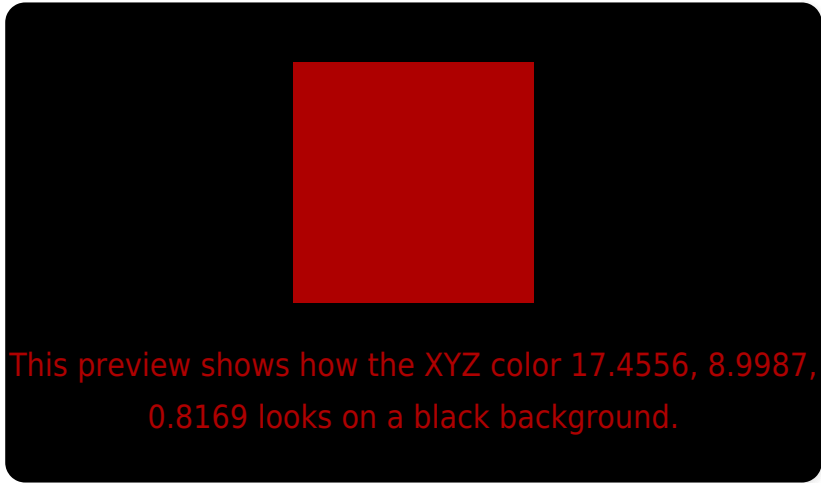
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4556, 8.9987, 0.8169

Background



This preview shows how black text looks on a background with the XYZ color 17.4556, 8.9987, 0.8169.



This preview shows how white text looks on a background with the XYZ color 17.4556, 8.9987,

0.8169.

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

17.4556, 8.9987, 0.8169

Protanopia

8.7900, 9.6940, 2.2185

Deuteranopia

9.6488, 9.5660, 1.3379



Tritanopia

17.4189, 9.2548, 0.8683

Trichromacy



Original Color

17.4556, 8.9987, 0.8169

Protanomaly

10.1046, 7.2985, 1.3281

Deuteranomaly

11.1046, 7.6145, 0.8845

Tritanomaly

17.3421, 9.1013, 0.8427

Monochromacy



Original Color

17.4556, 8.9987, 0.8169

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.6422, 3.6843, 1.8526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4556, 8.9987, 0.8169 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(174, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 0)  
}
```

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(174, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4556, 8.9987, 0.8169 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(174, 0, 0) }
```


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

```
.border{ border-color:rgb(174, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(174, 0, 0); box-shadow:4px  
4px 4px 4px rgb(174, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4556, 8.9987, 0.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 0) }
```

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

```
.background{ background-color: rgb(174, 0,  
0) }
```

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