

Converting Colors

XYZ(15.9024, 8.0507, 7.3981)

Have a look what the booklet for
XYZ(15.9024, 8.0507, 7.3981)
contains.

| | |
|--|----|
| XYZ(15.9679, 8.0851, 7.3756) | 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(15.9679, 8.0851,
7.3756)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A1004B |
| RGB | 161, 0, 75 |
| RGB Percent | 63%, 0%, 29% |
| CMY | 0.3686, 0.9999, 0.7059 |
| CMYK | 0.00, 1.00, 0.53, 0.37 |
| HSL | 332°, 100%, 32% |
| HSV | 332°, 100%, 63% |
| XYZ | 15.9679, 8.0851, 7.3756 |
| YIQ | 56.6890, 71.8810, 57.4570 |

Conversions

Conversions Part 2

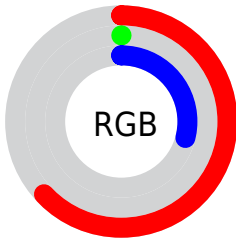
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 161, 0, 75 |
| Decimal | 10551371 |
| CIE _{Lab} | 34.16, 59.69, 4.95 |
| CIE _{LCh} | 34, 59.893, 4.744 |
| Yxy | 8.0851, 0.5081, 0.2573 |
| Android (android.graphics.Color) | 4288741451 (0xFFA1004B) |
| YUV | 56.6890, 9.0273, 91.4807 |
| Hunter-Lab | 28.4343, 50.4805, 4.5247 |

Details

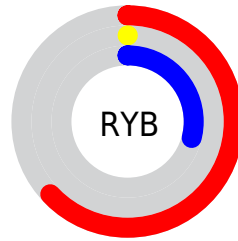
The XYZ color **15.9679, 8.0851, 7.3756** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.4259, 26.1620, 13.0991**, and the grayscale version is **3.8322, 4.0317, 4.3906**.

A 20% lighter version of the original color is **36.0478, 22.1100, 21.1066**, and **5.7402, 2.9291, 1.6293** is the 20% darker color. If you saturate the color by 10%, you get **15.9673, 8.0848, 7.3730**, and if you desaturate by 10%, it is **16.4697, 8.5852, 9.0950**.

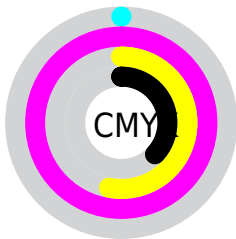
Distribution



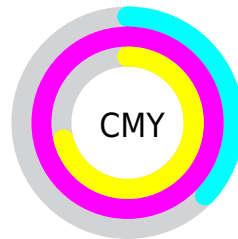
- Red (63%)
- Green (0%)
- Blue (29%)



- Red (63%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (37%)




- Cyan (37%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9679, 8.0851, 7.3756 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 15.9679, 8.0851, 7.3756 by changing the saturation by 10% instead.


 15.9679, 8.0851,
7.3756


 15.9679, 8.0851,
7.3756


222.4263,
176.3980, 180.4968


 9.5921, 4.1495,
3.6161


 36.1004, 22.1251,
21.2505


 5.1896, 1.7575,
1.4172

 50.5878, 32.9982,
32.2030


 2.3948, 0.4605,
0.1551

 68.5098, 46.9527,
46.3903

 0.8425, 0.0000,
0.0000


 90.2318, 64.3728,
64.2309


 0.0000, 0.0000,
0.0000

 116.1191, 85.6430,
86.1432


 146.5370,


111.1476, 112.5460


 181.8510,
141.2712, 143.8577


 15.9679, 8.0851,
7.3756


 15.9679, 8.0851,
7.3756


 15.9673, 8.0848,
7.3730

 16.4697, 8.5852,
9.0950

 17.1611, 9.3985,
11.0814

 18.1076, 10.6535,
13.3637

 19.3376, 12.4050,
15.9580

 20.8756, 14.6999,
18.8788

■ 22.7434, 17.5797,
22.1396

■ 24.9604, 21.0815,
25.7527

■ 27.5448, 25.2397,
29.7299

■ 30.5133, 30.0858,
34.0821

Harmonies

Analogous

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



15.0285, 8.0851, 19.1400



15.9679, 8.0851, 7.3756



14.2176, 8.0851, 1.9524

Triad

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



15.9679, 8.0851, 7.3756



4.5893, 8.0851, 0.6769



5.2692, 8.0851, 37.8692

Complementary

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



15.9679, 8.0851, 7.3756



14.4259, 26.1620, 13.0991

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.



3.5408, 8.0851, 23.8825



15.9679, 8.0851, 7.3756



3.2350, 8.0851, 3.0783

Square

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



15.9679, 8.0851, 7.3756



7.1685, 8.0851, 0.0000



2.9155, 8.0851, 10.4043



8.2250, 8.0851, 42.5051

Rectangle

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



15.9679, 8.0851, 7.3756



11.9920, 8.0851, 0.6983



2.9155, 8.0851, 10.4043



4.5563, 8.0851, 33.7772

Sweetspot

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



15.9681, 8.0856, 7.3757



44.4544, 37.3602, 45.7284



10.2599, 4.5465, 34.0547



9.3925, 7.6270, 9.4557



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.9681, 8.0856, 7.3757



28.4986, 14.4402, 12.6898



14.7565, 7.6941, 0.7081



7.2046, 7.1383, 8.0639



12.7730, 6.4653, 5.9952



0.2922, 0.1454, 0.2514

Inverse Universe

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



15.9681, 8.0856, 7.3757



28.4986, 14.4402, 12.6898



18.2604, 26.2275, 37.8179



7.2046, 7.1383, 8.0639



12.7730, 6.4653, 5.9952



0.2922, 0.1454, 0.2514

Previews

White Background



This preview shows how the XYZ color 15.9679, 8.0851, 7.3756 looks on a white background.

Color Contrast Check

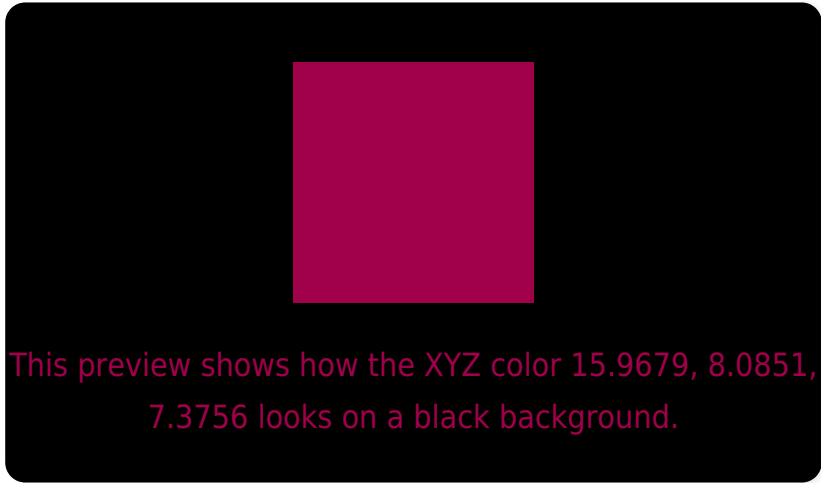
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9679, 8.0851, 7.3756

Background



This preview shows how black text looks on a background with the XYZ color 15.9679, 8.0851, 7.3756.



This preview shows how white text looks on a background with the XYZ color 15.9679, 8.0851,

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

15.9679, 8.0851, 7.3756

Protanopia

8.7581, 8.6752, 15.6809

Deuteranopia

8.8418, 8.6961, 6.6813



Tritanopia

14.9841, 8.3882, 1.9917

Trichromacy



Original Color

15.9679, 8.0851, 7.3756

Protanomaly

9.4491, 6.4449, 12.0552

Deuteranomaly

10.0669, 6.8157, 6.7462

Tritanomaly

15.2232, 8.1366, 3.3529

Monochromacy



Original Color

15.9679, 8.0851, 7.3756

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2756, 4.0648, 5.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9679, 8.0851, 7.3756 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(161, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 75)  
}
```

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(161, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 15.9679, 8.0851, 7.3756 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(161, 0, 75) }
```


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

```
.border{ border-color:rgb(161, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9679, 8.0851, 7.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 75) }
```

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

```
.background{ background-color: rgb(161, 0,  
75) }
```

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