

Converting Colors

XYZ(14.3797, 5.5016, 4.4958)

Have a look what the booklet for
XYZ(14.3797, 5.5016, 4.4958)
contains.

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Color

**XYZ(15.6897, 7.9971,
4.8543)**

Conversions

Conversions Part 1

Format	Color
Hex	A2003B
RGB	162, 0, 59
RGB Percent	64%, 0%, 23%
CMY	0.3647, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.64, 0.36
HSL	338°, 100%, 32%
HSV	338°, 100%, 64%
XYZ	15.6897, 7.9971, 4.8543
YIQ	55.1640, 77.6130, 52.6930

Conversions

Conversions Part 2

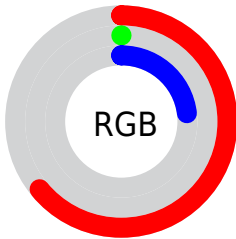
Format	Color
R_{YB}	162, 0, 59
Decimal	10616891
CIE _{Lab}	33.98, 58.86, 15.25
CIE _{LCh}	34, 60.807, 14.524
Yxy	7.9971, 0.5497, 0.2802
Android (android.graphics.Color)	4288806971 (0xFFA2003B)
YUV	55.1640, 1.8911, 93.6952
Hunter-Lab	28.2791, 49.5460, 9.6179

Details

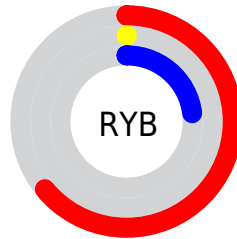
The XYZ color **15.6897, 7.9971, 4.8543** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.3698, 26.8204, 17.2044**, and the grayscale version is **3.6443, 3.8341, 4.1753**.

A 20% lighter version of the original color is **35.6868, 22.0363, 16.0082**, and **5.7027, 2.9272, 0.8367** is the 20% darker color. If you saturate the color by 10%, you get **15.6893, 7.9970, 4.8524**, and if you desaturate by 10%, it is **16.1724, 8.4920, 6.4661**.

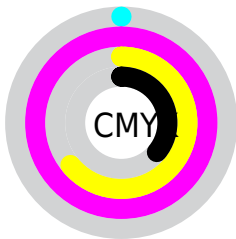
Distribution



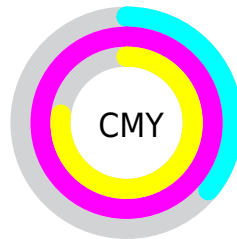
- Red (64%)
- Green (0%)
- Blue (23%)



- Red (64%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6897, 7.9971, 4.8543 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 15.6897, 7.9971, 4.8543 by changing the saturation by 10% instead.


 15.6897, 7.9971,
4.8543


 15.6897, 7.9971,
4.8543


220.8102,
175.7093, 157.2941


 9.3943, 4.0931,
2.1048


 35.6205, 21.9528,
15.9365


 5.0584, 1.7258,
0.6186

 49.9866, 32.7732,
25.1062


 2.3167, 0.4403,
0.0000

 67.7736, 46.6679,
37.2532

 0.8032, 0.0000,
0.0000

 89.3469, 64.0213,
52.7958

 0.0000, 0.0000,
0.0000

 115.0719, 85.2177,
72.1527

 145.3139,

110.6416, 95.7423

180.4382,
140.6773, 123.9833

15.6897, 7.9971,
4.8543

15.6897, 7.9971,
4.8543

15.6893, 7.9970,
4.8524

16.1724, 8.4920,
6.4661

16.8615, 9.3106,
8.4211

17.8242, 10.5830,
10.7548

19.0905, 12.3656,
13.4894

20.6864, 14.7063,
16.6452

■ 22.6349, 17.6475,
20.2409

■ 24.9567, 21.2276,
24.2936

■ 27.6710, 25.4815,
28.8199

■ 30.7956, 30.4417,
33.8351

Harmonies

Analogous

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



15.6449, 7.9971, 14.6106



15.6897, 7.9971, 4.8543



13.1756, 7.9971, 1.1225

Triad

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



15.6897, 7.9971, 4.8543



3.9220, 7.9971, 1.0682



6.0096, 7.9971, 41.2949

Complementary

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



15.6897, 7.9971, 4.8543



15.3698, 26.8204, 17.2044

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.



3.8735, 7.9971, 29.0851



15.6897, 7.9971, 4.8543



2.9322, 7.9971, 4.6567

Square

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



15.6897, 7.9971, 4.8543



6.0983, 7.9971, 0.0000



2.9176, 7.9971, 14.1970



9.3322, 7.9971, 41.5190

Rectangle

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



15.6897, 7.9971, 4.8543



10.7194, 7.9971, 0.2577



2.9176, 7.9971, 14.1970



5.1549, 7.9971, 38.2026

Sweetspot

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



15.6899, 7.9976, 4.8544



45.0417, 38.1243, 43.6501



12.0704, 5.4695, 34.6018



9.7209, 7.9505, 9.1216



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.



15.6899, 7.9976, 4.8544



28.3924, 14.4818, 8.3319



15.1800, 8.2408, 0.7912



7.1754, 7.1266, 7.9101



12.3797, 6.3079, 3.9240



0.2823, 0.1414, 0.1991

Inverse Universe

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



15.6899, 7.9976, 4.8544



28.3924, 14.4818, 8.3319



15.9589, 21.4828, 37.4878



7.1754, 7.1266, 7.9101



12.3797, 6.3079, 3.9240



0.2823, 0.1414, 0.1991

Previews

White Background



This preview shows how the XYZ color 15.6897, 7.9971, 4.8543 looks on a white background.

Color Contrast Check

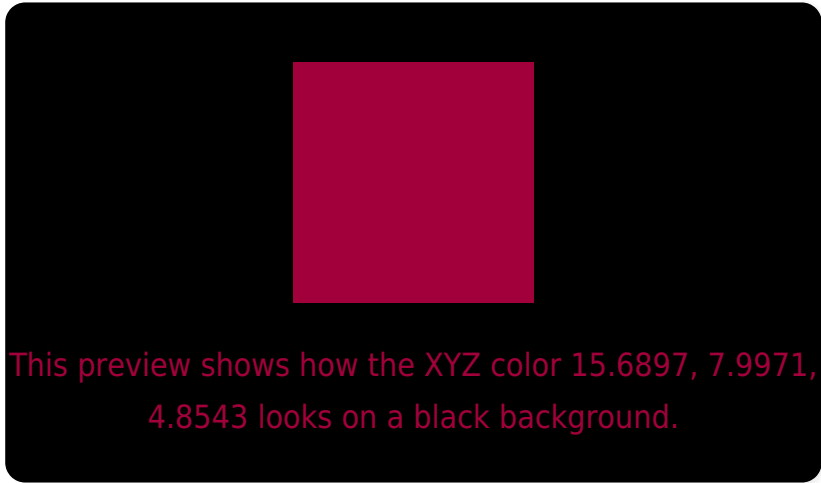
Large Text (above 18pt) WCAG AA ✓ Pass

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

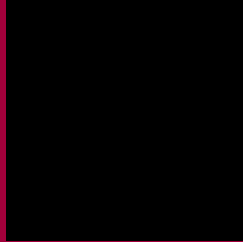
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6897, 7.9971, 4.8543

Background



This preview shows how black text looks on a background with the XYZ color 15.6897, 7.9971, 4.8543.



This preview shows how white text looks on a background with the XYZ color 15.6897, 7.9971,

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

15.6897, 7.9971, 4.8543

Protanopia

8.3402, 8.6974, 10.0433

Deuteranopia

8.6713, 8.5492, 4.4419



Tritanopia

15.1694, 8.2883, 1.5593

Trichromacy



Original Color

15.6897, 7.9971, 4.8543

Protanomaly

9.2597, 6.5128, 7.6065

Deuteranomaly

9.9986, 6.7680, 4.3938

Tritanomaly

15.1721, 8.0401, 2.3423

Monochromacy



Original Color

15.6897, 7.9971, 4.8543

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9309, 3.8673, 4.1752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6897, 7.9971, 4.8543 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(162, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 59)  
}
```

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(162, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.6897, 7.9971, 4.8543 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(162, 0, 59) }
```


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

```
.border{ border-color:rgb(162, 0, 59) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(162, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6897, 7.9971, 4.8543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 59) }
```

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

```
.background{ background-color: rgb(162, 0,  
59) }
```

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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