

Converting Colors

XYZ(15.7645, 8.0554, 3.9699)

Have a look what the booklet for
XYZ(15.7645, 8.0554, 3.9699)
contains.

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Color

**XYZ(15.7241, 8.0345,
3.9709)**

Conversions

Conversions Part 1

Format	Color
Hex	A30034
RGB	163, 0, 52
RGB Percent	64%, 0%, 20%
CMY	0.3608, 0.9999, 0.7961
CMYK	0.00, 1.00, 0.68, 0.36
HSL	341°, 100%, 32%
HSV	341°, 100%, 64%
XYZ	15.7241, 8.0345, 3.9709
YIQ	54.6650, 80.4560, 50.7280

Conversions

Conversions Part 2

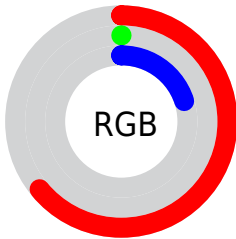
Format	Color
R_{YB}	163, 0, 52
Decimal	10682420
CIE _{Lab}	34.05, 58.73, 19.98
CIE _{LCh}	34, 62.033, 18.786
Yxy	8.0345, 0.5671, 0.2897
Android (android.graphics.Color)	4288872500 (0xFFA30034)
YUV	54.6650, -1.3138, 95.0098
Hunter-Lab	28.3452, 49.4163, 11.5357

Details

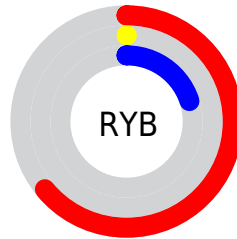
The XYZ color **15.7241, 8.0345, 3.9709** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.9681, 27.3426, 19.4826**, and the grayscale version is **3.5855, 3.7723, 4.1080**.

A 20% lighter version of the original color is **35.5990, 22.0369, 13.9325**, and **5.6373, 2.9011, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **15.7236, 8.0342, 3.9687**, and if you desaturate by 10%, it is **16.1944, 8.5268, 5.5099**.

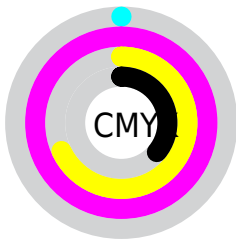
Distribution



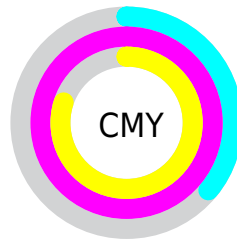
- Red (64%)
- Green (0%)
- Blue (20%)



- Red (64%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7241, 8.0345, 3.9709 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 15.7241, 8.0345, 3.9709 by changing the saturation by 10% instead.


 15.7241, 8.0345,
3.9709


 15.7241, 8.0345,
3.9709


221.0107,
176.0023, 147.9014


 9.4187, 4.1170,
1.6094


 35.6799, 22.0260,
13.9426


 5.0746, 1.7392,
0.2975

 50.0610, 32.8689,
22.3899

 2.3263, 0.4489,
0.0000

 67.8648, 46.7890,
33.7028

 0.8081, 0.0000,
0.0000

 89.4566, 64.1708,
48.2999

 0.0000, 0.0000,
0.0000

 115.2017, 85.3987,
66.5998

 145.4655,

110.8569, 89.0210

180.6134,
140.9300, 115.9820

15.7241, 8.0345,
3.9709

15.7241, 8.0345,
3.9709

15.7236, 8.0342,
3.9687

16.1944, 8.5268,
5.5099

16.8806, 9.3508,
7.4298

17.8513, 10.6378,
9.7706

19.1376, 12.4452,
12.5585

20.7666, 14.8223,
15.8173

■ 22.7621, 17.8121,
19.5689

■ 25.1458, 21.4537,
23.8338

■ 27.9376, 25.7831,
28.6312

■ 31.1561, 30.8333,
33.9791

Harmonies

Analogous

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



16.0913, 8.0345, 12.9536



15.7241, 8.0345, 3.9709



12.8506, 8.0345, 0.8425

Triad

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



15.7241, 8.0345, 3.9709



3.6759, 8.0345, 1.2761



6.4258, 8.0345, 43.3659

Complementary

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



15.7241, 8.0345, 3.9709



15.9681, 27.3426, 19.4826

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.



4.0668, 8.0345, 31.9955



15.7241, 8.0345, 3.9709



2.8263, 8.0345, 5.5685

Square

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



15.7241, 8.0345, 3.9709



5.7057, 8.0345, 0.0000



2.9439, 8.0345, 16.3380



9.9602, 8.0345, 41.5182

Rectangle

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



15.7241, 8.0345, 3.9709



10.2766, 8.0345, 0.0619



2.9439, 8.0345, 16.3380



5.4924, 8.0345, 40.7509

Sweetspot

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



15.7243, 8.0350, 3.9710



44.7704, 38.0158, 42.2216



12.8779, 5.8756, 35.1054



9.6548, 7.9240, 8.7738



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.



15.7243, 8.0350, 3.9710



28.0787, 14.3563, 6.6798



15.5006, 8.5791, 0.8397



7.1625, 7.1215, 7.8423



12.2390, 6.2516, 3.1831



0.2778, 0.1396, 0.1758

Inverse Universe

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



15.7243, 8.0350, 3.9710



28.0787, 14.3563, 6.6798



15.3924, 20.2071, 37.7392



7.1625, 7.1215, 7.8423



12.2390, 6.2516, 3.1831



0.2778, 0.1396, 0.1758

Previews

White Background



This preview shows how the XYZ color 15.7241, 8.0345, 3.9709 looks on a white background.

Color Contrast Check

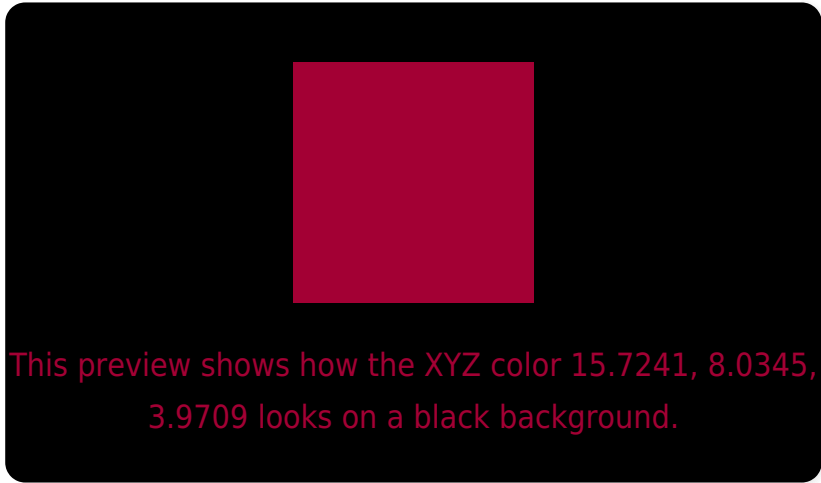
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7241, 8.0345, 3.9709

Background



This preview shows how black text looks on a background with the XYZ color 15.7241, 8.0345, 3.9709.



This preview shows how white text looks on a background with the XYZ color 15.7241, 8.0345,

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

15.7241, 8.0345, 3.9709

Protanopia

8.2706, 8.7008, 8.2647

Deuteranopia

8.7301, 8.5986, 3.5824



Tritanopia

15.2776, 8.2614, 1.3617

Trichromacy



Original Color

15.7241, 8.0345, 3.9709

Protanomaly

9.2559, 6.5410, 6.2435

Deuteranomaly

9.9659, 6.7715, 3.4711

Tritanomaly

15.2786, 8.0630, 1.9793

Monochromacy



Original Color

15.7241, 8.0345, 3.9709

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.8830, 3.8481, 3.9227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7241, 8.0345, 3.9709 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(163, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 52)  
}
```

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(163, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 15.7241, 8.0345, 3.9709 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(163, 0, 52) }
```


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

```
.border{ border-color:rgb(163, 0, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7241, 8.0345, 3.9709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 52) }
```

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

```
.background{ background-color: rgb(163, 0,  
52) }
```

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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