

Converting Colors

XYZ(16.4891, 8.3454, 7.7746)

Have a look what the booklet for
XYZ(16.4891, 8.3454, 7.7746)
contains.

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Color

**XYZ(16.4438, 8.3224,
7.7609)**

Conversions

Conversions Part 1

Format	Color
Hex	A3004D
RGB	163, 0, 77
RGB Percent	64%, 0%, 30%
CMY	0.3608, 0.9999, 0.6980
CMYK	0.00, 1.00, 0.53, 0.36
HSL	332°, 100%, 32%
HSV	332°, 100%, 64%
XYZ	16.4438, 8.3224, 7.7609
YIQ	57.5150, 72.4310, 58.5030

Conversions

Conversions Part 2

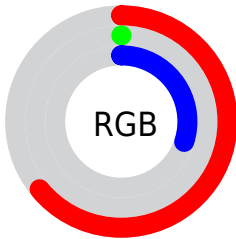
Format	Color
R_{YB}	163, 0, 77
Decimal	10682445
CIE _{Lab}	34.65, 60.31, 4.40
CIE _{LCh}	35, 60.467, 4.169
Yxy	8.3224, 0.5055, 0.2559
Android (android.graphics.Color)	4288872525 (0xFFA3004D)
YUV	57.5150, 9.6061, 92.5103
Hunter-Lab	28.8486, 51.2607, 4.2437

Details

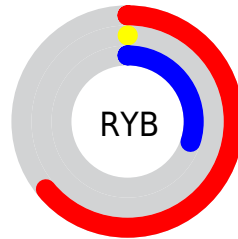
The XYZ color **16.4438, 8.3224, 7.7609** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **14.7782, 26.8667, 13.2166**, and the grayscale version is **3.9399, 4.1451, 4.5140**.

A 20% lighter version of the original color is **36.8512, 22.5021, 22.1397**, and **5.9977, 3.0585, 1.7876** is the 20% darker color. If you saturate the color by 10%, you get **16.4432, 8.3221, 7.7582**, and if you desaturate by 10%, it is **16.9580, 8.8323, 9.5312**.

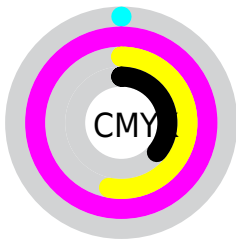
Distribution



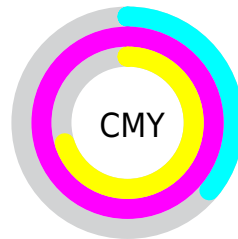
- Red (64%)
- Green (0%)
- Blue (30%)



- Red (64%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4438, 8.3224, 7.7609 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 16.4438, 8.3224, 7.7609 by changing the saturation by 10% instead.


 16.4438, 8.3224,
7.7609


 16.4438, 8.3224,
7.7609


225.1657,
178.2393, 183.7084


 9.9316, 4.3019,
3.8568


 36.9182, 22.5881,
22.0267


 5.4155, 1.8439,
1.5471

 51.6111, 33.6021,
33.2255


 2.5303, 0.5143,
0.2526

 69.7616, 47.7161,
47.6930

 0.9106, 0.0000,
0.0000

 91.7351, 65.3144,
65.8475

 0.0000, 0.0000,
0.0000

 117.8969, 86.7815,
88.1078

 148.6124,

112.5018, 114.8924

184.2468,
142.8596, 146.6198

16.4438, 8.3224,
7.7609

16.4438, 8.3224,
7.7609

16.4432, 8.3221,
7.7582

16.9580, 8.8323,
9.5312

17.6672, 9.6654,
11.5720

18.6378, 10.9524,
13.9123

19.8992, 12.7499,
16.5685

21.4765, 15.1063,
19.5554

■ 23.3922, 18.0641,
22.8865

■ 25.6663, 21.6620,
26.5744

■ 28.3174, 25.9351,
30.6307

■ 31.3627, 30.9160,
35.0668

Harmonies

Analogous

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



15.4242, 8.3224, 19.9879



16.4438, 8.3224, 7.7609



14.6903, 8.3224, 2.0678

Triad

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



16.4438, 8.3224, 7.7609



4.7630, 8.3224, 0.6784



5.3779, 8.3224, 38.7609

Complementary

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



16.4438, 8.3224, 7.7609



14.7782, 26.8667, 13.2166

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.



3.6228, 8.3224, 24.2795



16.4438, 8.3224, 7.7609



3.3463, 8.3224, 3.0852

Square

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



16.4438, 8.3224, 7.7609



7.4419, 8.3224, 0.0000



2.9987, 8.3224, 10.5002



8.3977, 8.3224, 43.7890

Rectangle

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



16.4438, 8.3224, 7.7609



12.4158, 8.3224, 0.7488



2.9987, 8.3224, 10.5002



4.6525, 8.3224, 34.4961

Sweetspot

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



16.4440, 8.3229, 7.7610



45.7152, 38.3937, 47.1967



10.2879, 4.5404, 34.9842



9.8859, 8.0165, 9.9906



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.



16.4440, 8.3229, 7.7610



29.3491, 14.8645, 13.3697



15.1341, 7.8461, 0.7176



7.2065, 7.1391, 8.0739



12.8022, 6.4769, 6.1488



0.2928, 0.1456, 0.2548

Inverse Universe

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



16.4440, 8.3229, 7.7610



29.3491, 14.8645, 13.3697



19.2311, 27.8844, 39.0187



7.2065, 7.1391, 8.0739



12.8022, 6.4769, 6.1488



0.2928, 0.1456, 0.2548

Previews

White Background



This preview shows how the XYZ color 16.4438, 8.3224, 7.7609 looks on a white background.

Color Contrast Check

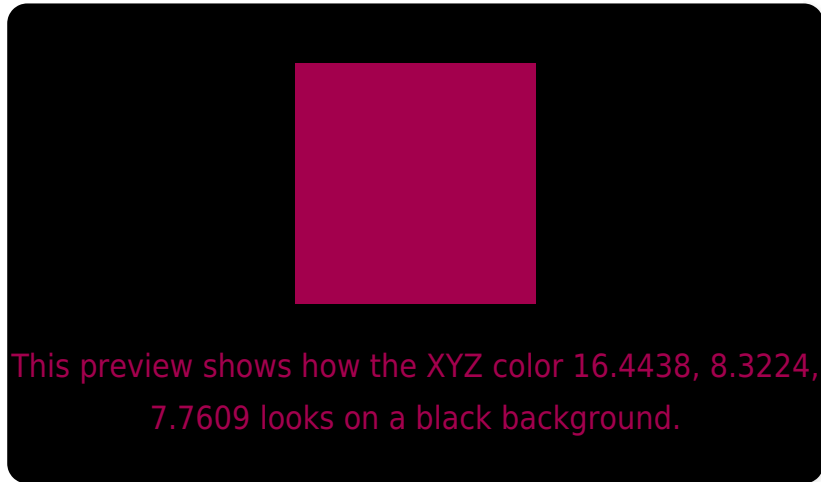
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4438, 8.3224, 7.7609

Background



This preview shows how black text looks on a background with the XYZ color 16.4438, 8.3224, 7.7609.



This preview shows how white text looks on a background with the XYZ color 16.4438, 8.3224,

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

16.4438, 8.3224, 7.7609

Protanopia

9.1555, 9.0883, 16.6009

Deuteranopia

9.0849, 8.9237, 7.0380



Tritanopia

15.4223, 8.6508, 2.0852

Trichromacy



Original Color

16.4438, 8.3224, 7.7609

Protanomaly

9.7096, 6.6352, 12.5734

Deuteranomaly

10.4566, 7.0746, 7.1177

Tritanomaly

15.6635, 8.3869, 3.4826

Monochromacy



Original Color

16.4438, 8.3224, 7.7609

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4396, 4.1916, 5.4707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4438, 8.3224, 7.7609 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, 77)` looks like.

```
.text, #text, p{  
  color:rgb(163, 0, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 16.4438, 8.3224, 7.7609 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, 77) }
```


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

```
.border{ border-color:rgb(163, 0, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4438, 8.3224, 7.7609 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, 77) }
```

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

```
.background{ background-color: rgb(163, 0,  
77) }
```

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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