

Converting Colors

XYZ(15.6680, 6.7779, 7.7662)

Have a look what the booklet for
XYZ(15.6680, 6.7779, 7.7662)
contains.

XYZ(16.4794, 8.3366, 7.9483)	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(16.4794, 8.3366,
7.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	A3004E
RGB	163, 0, 78
RGB Percent	64%, 0%, 31%
CMY	0.3608, 0.9999, 0.6941
CMYK	0.00, 1.00, 0.52, 0.36
HSL	331°, 100%, 32%
HSV	331°, 100%, 64%
XYZ	16.4794, 8.3366, 7.9483
YIQ	57.6290, 72.1100, 58.8140

Conversions

Conversions Part 2

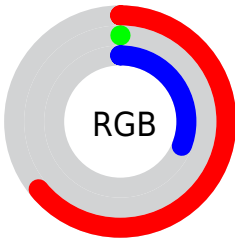
Format	Color
R_{YB}	163, 0, 78
Decimal	10682446
CIE _{Lab}	34.67, 60.38, 3.78
CIE _{LCh}	35, 60.502, 3.585
Yxy	8.3366, 0.5030, 0.2544
Android (android.graphics.Color)	4288872526 (0xFFA3004E)
YUV	57.6290, 10.0429, 92.4104
Hunter-Lab	28.8732, 51.3511, 3.8897

Details

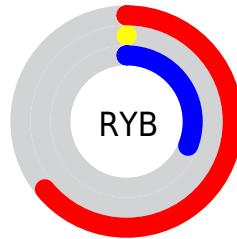
The XYZ color **16.4794, 8.3366, 7.9483** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **14.7381, 26.8507, 13.0053**, and the grayscale version is **3.9543, 4.1602, 4.5305**.

A 20% lighter version of the original color is **36.9866, 22.6691, 22.5048**, and **5.9977, 3.0585, 1.7876** is the 20% darker color. If you saturate the color by 10%, you get **16.4789, 8.3364, 7.9459**, and if you desaturate by 10%, it is **16.9943, 8.8468, 9.7223**.

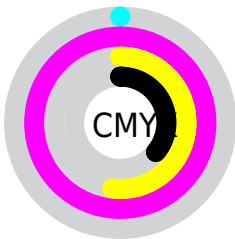
Distribution



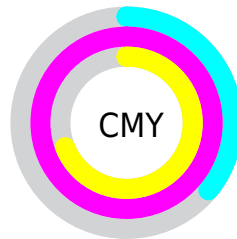
- Red (64%)
- Green (0%)
- Blue (31%)



- Red (64%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4794, 8.3366, 7.9483 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 16.4794, 8.3366, 7.9483 by changing the saturation by 10% instead.


 16.4794, 8.3366,
7.9483


 16.4794, 8.3366,
7.9483


225.3694,
178.3488, 185.2454


 9.9570, 4.3111,
3.9746


 36.9793, 22.6157,
22.4015


 5.4325, 1.8491,
1.6114

 51.6874, 33.6381,
33.7181


 2.5405, 0.5175,
0.2989

 69.8549, 47.7616,
48.3194

 0.9157, 0.0000,
0.0000

 91.8471, 65.3705,
66.6240

 0.0000, 0.0000,
0.0000

 118.0292, 86.8493,
89.0503

 148.7668,

112.5823, 116.0169

184.4250,
142.9540, 147.9425

16.4794, 8.3366,
7.9483

16.4794, 8.3366,
7.9483

16.4789, 8.3364,
7.9459

16.9943, 8.8468,
9.7223

17.7034, 9.6798,
11.7624

18.6729, 10.9663,
14.0975

19.9323, 12.7629,
16.7437

21.5068, 15.1181,
19.7154

■ 23.4185, 18.0743,
23.0260

■ 25.6876, 21.6701,
26.6876

■ 28.3325, 25.9406,
30.7120

■ 31.3706, 30.9186,
35.1101

Harmonies

Analogous

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



15.4046, 8.3366, 20.3160



16.4794, 8.3366, 7.9483



14.7721, 8.3366, 2.1314

Triad

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



16.4794, 8.3366, 7.9483



4.8109, 8.3366, 0.6559



5.3406, 8.3366, 38.6052

Complementary

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



16.4794, 8.3366, 7.9483



14.7381, 26.8507, 13.0053

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.



3.6068, 8.3366, 24.0147



16.4794, 8.3366, 7.9483



3.3686, 8.3366, 3.0071

Square

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



16.4794, 8.3366, 7.9483



7.5190, 8.3366, 0.0000



3.0014, 8.3366, 10.3081



8.3426, 8.3366, 43.9017

Rectangle

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



16.4794, 8.3366, 7.9483



12.5104, 8.3366, 0.7757



3.0014, 8.3366, 10.3081



4.6225, 8.3366, 34.2801

Sweetspot

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



16.4796, 8.3371, 7.9484



45.7545, 38.4094, 47.4035



10.2878, 4.5403, 34.9843



9.8956, 8.0203, 10.0415



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.



16.4796, 8.3371, 7.9484



29.4125, 14.8899, 13.7037



15.1341, 7.8461, 0.7175



7.2083, 7.1398, 8.0833



12.8299, 6.4880, 6.2951



0.2934, 0.1459, 0.2579

Inverse Universe

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



16.4796, 8.3371, 7.9484



29.4125, 14.8899, 13.7037



19.2311, 27.8845, 39.0188



7.2083, 7.1398, 8.0833



12.8299, 6.4880, 6.2951



0.2934, 0.1459, 0.2579

Previews

White Background



This preview shows how the XYZ color 16.4794, 8.3366, 7.9483 looks on a white background.

Color Contrast Check

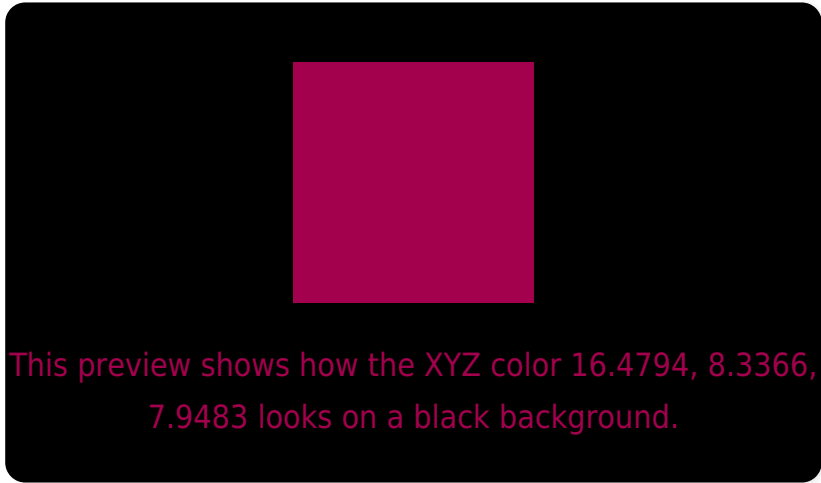
Large Text (above 18pt) WCAG AA ✓ Pass

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

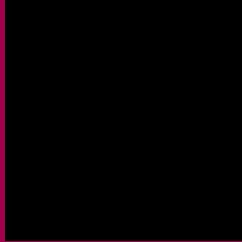
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4794, 8.3366, 7.9483

Background



This preview shows how black text looks on a background with the XYZ color 16.4794, 8.3366, 7.9483.



This preview shows how white text looks on a background with the XYZ color 16.4794, 8.3366,

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

16.4794, 8.3366, 7.9483

Protanopia

9.1315, 9.0694, 16.8921

Deuteranopia

9.0095, 8.8812, 7.2006



Tritanopia

15.4353, 8.6560, 2.1536

Trichromacy



Original Color

16.4794, 8.3366, 7.9483

Protanomaly

9.7577, 6.6545, 12.8267

Deuteranomaly

10.3492, 7.0153, 7.2872

Tritanomaly

15.6839, 8.3951, 3.5901

Monochromacy



Original Color

16.4794, 8.3366, 7.9483

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 16.4794, 8.3366, 7.9483 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 16.4794, 8.3366, 7.9483 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, 78) }
```


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

```
.border{ border-color:rgb(163, 0, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4794, 8.3366, 7.9483 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, 78) }
```

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

```
.background{ background-color: rgb(163, 0,  
78) }
```

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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