

Converting Colors

XYZ(15.6836, 8.1001, 0.7369)

Have a look what the booklet for
XYZ(15.6836, 8.1001, 0.7369)
contains.

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Color

**XYZ(15.7367, 8.1287,
0.7396)**

Conversions

Conversions Part 1

Format	Color
Hex	A60100
RGB	166, 1, 0
RGB Percent	65%, 0%, 0%
CMY	0.3490, 0.9960, 1.0000
CMYK	0.00, 0.99, 1.00, 0.35
HSL	0°, 100%, 33%
HSV	0°, 100%, 65%
XYZ	15.7367, 8.1287, 0.7396
YIQ	50.2210, 98.6610, 34.6690

Conversions

Conversions Part 2

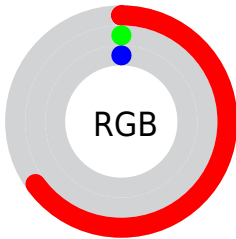
Format	Color
RYB	166, 1, 0
Decimal	10879232
CIELab	34.25, 57.96, 48.47
CIELCh	34, 75.559, 39.905
Yxy	8.1287, 0.6396, 0.3304
Android (android.graphics.Color)	4289069312 (0xFFA60100)
YUV	50.2210, -24.7590, 101.5382
Hunter-Lab	28.5109, 48.6298, 18.4196

Details

The XYZ color **15.7367, 8.1287, 0.7396** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.3329, 29.6532, 40.7280**, and the grayscale version is **3.0781, 3.2384, 3.5267**.

A 20% lighter version of the original color is **35.7511, 22.2053, 5.1981**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7368, 8.1292, 0.7397**, and if you desaturate by 10%, it is **16.0325, 8.5635, 1.3220**.

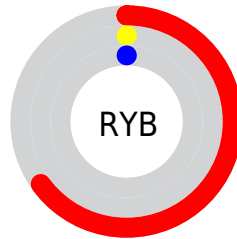
Distribution



Red (65%)

Green (0%)

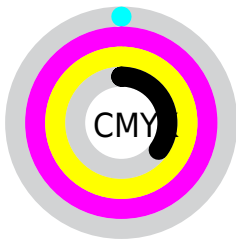
Blue (0%)



Red (65%)

Yellow (0%)

Blue (0%)

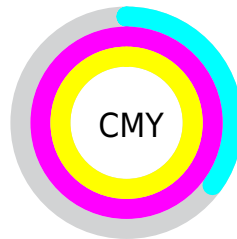


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7367, 8.1287, 0.7396 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 15.7367, 8.1287, 0.7396 by changing the saturation by 10% instead.


 15.7367, 8.1287,
0.7396


 15.7367, 8.1287,
0.7396


 221.0841,
176.7380, 98.3599


 9.4277, 4.1774,
0.0000


 35.7016, 22.2104,
5.2184


 5.0805, 1.7733,
0.0000

 50.0883, 33.1095,
9.8853


 2.3298, 0.4704,
0.0000

 67.8982, 47.0934,
16.7344

 0.8099, 0.0000,
0.0000

 89.4967, 64.5465,
26.1841

 0.0000, 0.0000,
0.0000

 115.2492, 85.8531,
38.6529


 145.5210,


111.3976, 54.5595


 180.6775,
141.5644, 74.3223


 15.7367, 8.1287,
0.7396


 15.7367, 8.1287,
0.7396


 15.7368, 8.1292,
0.7397

 16.0325, 8.5635,
1.3220

 16.5757, 9.3632,
2.3873

 17.4601, 10.6614,
4.1328

 18.7291, 12.5214,
6.6462

 20.4198, 14.9970,
10.0022

■ 22.5649, 18.1359,
14.2668

■ 25.1940, 21.9809,
19.4991

■ 28.3339, 26.5715,
25.7536

■ 32.0098, 31.9441,
33.0804

Harmonies

Analogous

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



18.7421, 8.1287, 5.4351



15.7367, 8.1287, 0.7396



10.8505, 8.1287, 0.0000

Triad

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



15.7367, 8.1287, 0.7396



2.3486, 8.1287, 3.0404



9.2021, 8.1287, 56.8734

Complementary

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



15.7367, 8.1287, 0.7396



20.3329, 29.6532, 40.7280

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.



5.2677, 8.1287, 53.2728



15.7367, 8.1287, 0.7396



2.1846, 8.1287, 13.4616

Square

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



15.7367, 8.1287, 0.7396



3.6132, 8.1287, 0.0761



3.0352, 8.1287, 33.5679



14.1607, 8.1287, 41.1495

Rectangle

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



15.7367, 8.1287, 0.7396



7.7395, 8.1287, 0.0000



3.0352, 8.1287, 33.5679



7.7127, 8.1287, 58.0747

Sweetspot

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



15.7369, 8.1292, 0.7397



45.4349, 39.4693, 34.8115



22.6086, 10.8601, 36.9806



9.7145, 8.1701, 6.8885



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.7369, 8.1292, 0.7397



28.5556, 14.7426, 1.3406



18.8190, 14.2934, 1.7671



7.5347, 7.5495, 7.8493



12.2046, 6.3064, 0.5740



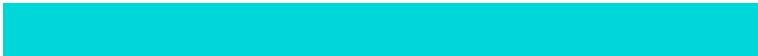
0.2981, 0.1557, 0.0143

Inverse Universe

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



20.3329, 29.6532, 40.7280



36.8965, 53.8059, 73.9162



9.9761, 8.9397, 37.2757



7.7435, 8.5240, 9.6555



15.7687, 22.9976, 31.5834



0.3849, 0.5620, 0.7688

Previews

White Background



This preview shows how the XYZ color 15.7367, 8.1287, 0.7396 looks on a white background.

Color Contrast Check

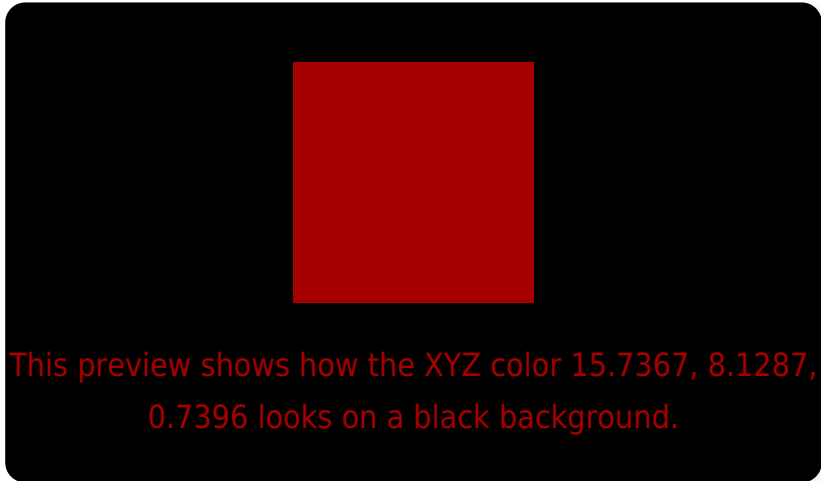
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7367, 8.1287, 0.7396

Background



This preview shows how black text looks on a background with the XYZ color 15.7367, 8.1287, 0.7396.



This preview shows how white text looks on a background with the XYZ color 15.7367, 8.1287,

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

15.7367, 8.1287, 0.7396

Protanopia

7.9218, 8.7745, 1.9856

Deuteranopia

8.6944, 8.7406, 1.2289

Trichromacy



Original Color

15.7367, 8.1287, 0.7396

Protanomaly

9.1375, 6.6605, 1.1848

Deuteranomaly

9.9362, 6.8797, 0.8042

Monochromacy



Original Color

15.7367, 8.1287, 0.7396

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.1909, 3.4126, 1.7516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7367, 8.1287, 0.7396 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(166, 1, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 1, 0)  
}
```

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(166, 1, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 1, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7367, 8.1287, 0.7396 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(166, 1, 0) }
```

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

```
.border{ border-color:rgb(166, 1, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 1, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 1, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(166, 1, 0); box-shadow:4px  
4px 4px 4px rgb(166, 1, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 15.7367, 8.1287, 0.7396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 1, 0) }
```

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

```
.background{ background-color: rgb(166, 1,  
0) }
```

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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