

Converting Colors

XYZ(15.6906, 8.0868, 0.8233)

Have a look what the booklet for
XYZ(15.6906, 8.0868, 0.8233)
contains.

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Color

**XYZ(15.7423, 8.1136,
0.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	A60003
RGB	166, 0, 3
RGB Percent	65%, 0%, 1%
CMY	0.3490, 0.9999, 0.9882
CMYK	0.00, 1.00, 0.98, 0.35
HSL	359°, 100%, 33%
HSV	359°, 100%, 65%
XYZ	15.7423, 8.1136, 0.8225
YIQ	49.9760, 97.9730, 36.1250

Conversions

Conversions Part 2

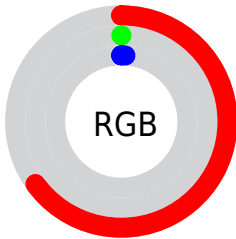
Format	Color
RYB	166, 0, 3
Decimal	10878979
CIELab	34.22, 58.13, 47.23
CIElCh	34, 74.899, 39.096
Yxy	8.1136, 0.6379, 0.3288
Android (android.graphics.Color)	4289069059 (0xFFA60003)
YUV	49.9760, -23.1592, 101.7530
Hunter-Lab	28.4844, 48.8029, 18.2270

Details

The XYZ color **15.7423, 8.1136, 0.8225** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.2499, 29.9177, 39.3715**, and the grayscale version is **3.0485, 3.2073, 3.4927**.

A 20% lighter version of the original color is **35.8151, 22.2309, 5.5353**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7420, 8.1134, 0.8216**, and if you desaturate by 10%, it is **16.0406, 8.5445, 1.4336**.

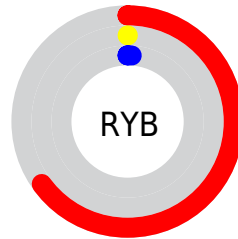
Distribution



Red (65%)

Green (0%)

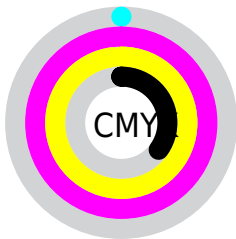
Blue (1%)



Red (65%)

Yellow (0%)

Blue (1%)

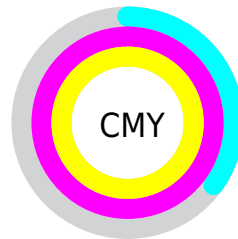


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (35%)



Cyan (35%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7423, 8.1136, 0.8225 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 15.7423, 8.1136, 0.8225 by changing the saturation by 10% instead.


 15.7423, 8.1136,
0.8225


 15.7423, 8.1136,
0.8225


 221.1167,
176.6203, 100.1807


 9.4317, 4.1677,
0.0000


 35.7113, 22.1808,
5.4781


 5.0832, 1.7678,
0.0000

 50.1004, 33.0710,
10.2817


 2.3314, 0.4670,
0.0000

 67.9130, 47.0447,
17.2962

 0.8107, 0.0000,
0.0000


 89.5146, 64.4864,
26.9401


 0.0000, 0.0000,
0.0000

 115.2703, 85.7804,
39.6320

 145.5457,


111.3111, 55.7904


 180.7060,
141.4629, 75.8338


 15.7423, 8.1136,
0.8225


 15.7423, 8.1136,
0.8225

 15.7420, 8.1134,
0.8216

 16.0406, 8.5445,
1.4336

 16.5884, 9.3324,
2.5647

 17.4768, 10.6207,
4.3669

 18.7490, 12.4737,
6.9222

 20.4417, 14.9461,
10.3010

■ 22.5874, 18.0863,
14.5655

■ 25.2155, 21.9378,
19.7721

■ 28.3528, 26.5404,
25.9722

■ 32.0241, 31.9310,
33.2140

Harmonies

Analogous

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



18.6246, 8.1136, 5.6831



15.7423, 8.1136, 0.8225



10.9352, 8.1136, 0.0000

Triad

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



15.7423, 8.1136, 0.8225



2.3903, 8.1136, 2.9191



9.0477, 8.1136, 56.3149

Complementary

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



15.7423, 8.1136, 0.8225



20.2499, 29.9177, 39.3715

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.



5.1935, 8.1136, 52.2214



15.7423, 8.1136, 0.8225



2.2003, 8.1136, 12.9769

Square

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



15.7423, 8.1136, 0.8225



3.6849, 8.1136, 0.0607



3.0180, 8.1136, 32.6132



13.9417, 8.1136, 41.2461

Rectangle

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



15.7423, 8.1136, 0.8225



7.8388, 8.1136, 0.0000



3.0180, 8.1136, 32.6132



7.5861, 8.1136, 57.3019

Sweetspot

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



15.7425, 8.1141, 0.8226



45.4652, 39.3770, 35.2930



21.4739, 10.2756, 36.9276



9.7217, 8.1484, 7.0019



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.



15.7425, 8.1141, 0.8226



28.5623, 14.7219, 1.4476



18.4136, 13.4825, 1.6327



7.5364, 7.5444, 7.8756



12.2092, 6.2924, 0.6471



0.2987, 0.1538, 0.0244

Inverse Universe

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



15.7425, 8.1141, 0.8226



28.5623, 14.7219, 1.4476



10.4180, 9.8229, 37.4229



7.5364, 7.5444, 7.8756



12.2092, 6.2924, 0.6471



0.2987, 0.1538, 0.0244

Previews

White Background



This preview shows how the XYZ color 15.7423, 8.1136, 0.8225 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 15.7423, 8.1136, 0.8225

Background



This preview shows how black text looks on a background with the XYZ color 15.7423, 8.1136, 0.8225.



This preview shows how white text looks on a background with the XYZ color 15.7423, 8.1136,

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

15.7423, 8.1136, 0.8225

Protanopia

7.9312, 8.7783, 2.0354

Deuteranopia

8.6944, 8.7406, 1.2289



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.7423, 8.1136, 0.8225

Protanomaly

9.1051, 6.5738, 1.2409

Deuteranomaly

9.9417, 6.8819, 0.8331

Tritanomaly

15.6311, 8.2186, 0.7912

Monochromacy



Original Color

15.7423, 8.1136, 0.8225

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.2047, 3.4181, 1.8243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7423, 8.1136, 0.8225 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, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 3)  
}
```

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, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 15.7423, 8.1136, 0.8225 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, 0, 3) }
```


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

```
.border{ border-color:rgb(166, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(166, 0, 3); box-shadow:4px  
4px 4px 4px rgb(166, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7423, 8.1136, 0.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 3) }
```

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

```
.background{ background-color: rgb(166, 0,  
3) }
```

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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