

Converting Colors

XYZ(15.9549, 8.2229, 0.8439)

Have a look what the booklet for
XYZ(15.9549, 8.2229, 0.8439)
contains.

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Color

**XYZ(15.9528, 8.2221,
0.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	A70003
RGB	167, 0, 3
RGB Percent	65%, 0%, 1%
CMY	0.3451, 0.9999, 0.9882
CMYK	0.00, 1.00, 0.98, 0.35
HSL	359°, 100%, 33%
HSV	359°, 100%, 65%
XYZ	15.9528, 8.2221, 0.8324
YIQ	50.2750, 98.5690, 36.3370

Conversions

Conversions Part 2

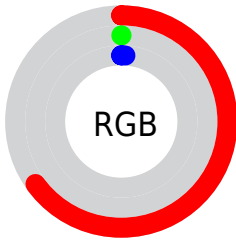
Format	Color
RYB	167, 0, 3
Decimal	10944515
CIELab	34.44, 58.39, 47.48
CIElCh	34, 75.252, 39.115
Yxy	8.2221, 0.6379, 0.3288
Android (android.graphics.Color)	4289134595 (0xFFA70003)
YUV	50.2750, -23.3066, 102.3678
Hunter-Lab	28.6742, 49.1280, 18.3508

Details

The XYZ color **15.9528, 8.2221, 0.8324** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.5222, 30.3187, 39.9052**, and the grayscale version is **3.0828, 3.2433, 3.5320**.

A 20% lighter version of the original color is **36.1370, 22.3968, 5.5504**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **15.9525, 8.2219, 0.8316**, and if you desaturate by 10%, it is **16.2535, 8.6564, 1.4485**.

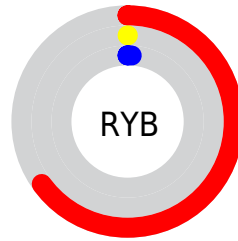
Distribution



Red (65%)

Green (0%)

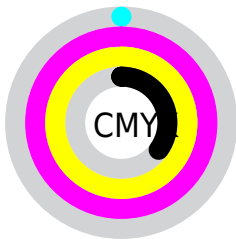
Blue (1%)



Red (65%)

Yellow (0%)

Blue (1%)

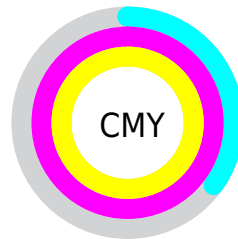


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (35%)



Cyan (35%)


Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9528, 8.2221, 0.8324 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 15.9528, 8.2221, 0.8324 by changing the saturation by 10% instead.


 15.9528, 8.2221,
0.8324

 15.9528, 8.2221,
0.8324


 222.3389,
177.4638, 100.3997


 9.5814, 4.2374,
0.0000


 36.0744, 22.3927,
5.5097


 5.1824, 1.8072,
0.0000

 50.5552, 33.3474,
10.3298


 2.3905, 0.4917,
0.0000

 68.4699, 47.3942,
17.3642

 0.8404, 0.0000,
0.0000


 90.1839, 64.9175,
27.0314


 0.0000, 0.0000,
0.0000


 116.0624, 86.3018,
39.7500


 146.4708,


111.9313, 55.9386

 181.7745,
142.1905, 76.0156


 15.9528, 8.2221,
0.8324


 15.9528, 8.2221,
0.8324


 15.9525, 8.2219,
0.8316

 16.2535, 8.6564,
1.4485

 16.8076, 9.4533,
2.5925

 17.7069, 10.7575,
4.4168

 18.9954, 12.6343,
7.0048

 20.7104, 15.1393,
10.4281

■ 22.8849, 18.3215,
14.7497

■ 25.5486, 22.2252,
20.0269

■ 28.7287, 26.8906,
26.3121

■ 32.4506, 32.3554,
33.6538

Harmonies

Analogous

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



18.8769, 8.2221, 5.7525



15.9528, 8.2221, 0.8324



11.0792, 8.2221, 0.0000

Triad

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



15.9528, 8.2221, 0.8324



2.4208, 8.2221, 2.9606



9.1722, 8.2221, 57.0855

Complementary

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



15.9528, 8.2221, 0.8324



20.5222, 30.3187, 39.9052

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.



5.2644, 8.2221, 52.9485



15.9528, 8.2221, 0.8324



2.2290, 8.2221, 13.1618

Square

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



15.9528, 8.2221, 0.8324



3.7320, 8.2221, 0.0696



3.0584, 8.2221, 33.0737



14.1334, 8.2221, 41.7976

Rectangle

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



15.9528, 8.2221, 0.8324



7.9408, 8.2221, 0.0000



3.0584, 8.2221, 33.0737



7.6902, 8.2221, 58.0910

Sweetspot

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



15.9530, 8.2226, 0.8325



45.4647, 39.3768, 35.2904



21.7608, 10.4128, 37.4218



9.7216, 8.1483, 7.0012



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.



15.9530, 8.2226, 0.8325



28.5621, 14.7219, 1.4470



18.6571, 13.6570, 1.6536



7.5363, 7.5444, 7.8755



12.2091, 6.2923, 0.6467



0.2987, 0.1537, 0.0244

Inverse Universe

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



15.9530, 8.2226, 0.8325



28.5621, 14.7219, 1.4470



10.5544, 9.9483, 37.9228



7.5363, 7.5444, 7.8755



12.2091, 6.2923, 0.6467



0.2987, 0.1537, 0.0244

Previews

White Background



This preview shows how the XYZ color 15.9528, 8.2221, 0.8324 looks on a white background.

Color Contrast Check

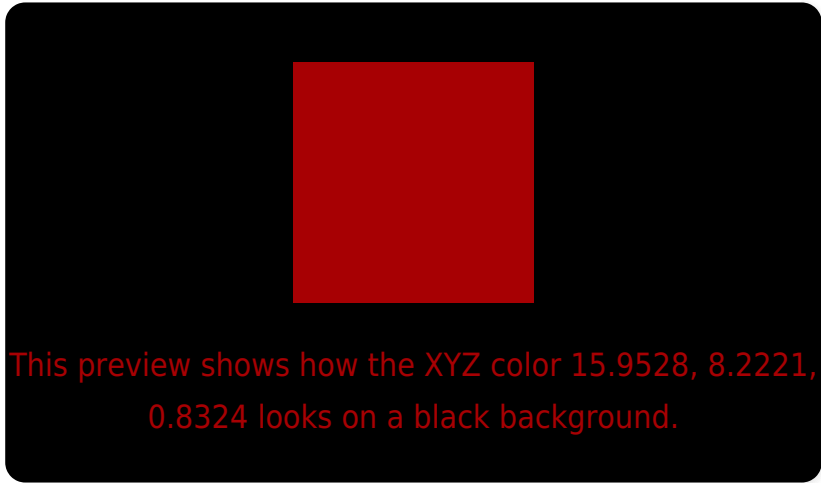
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9528, 8.2221, 0.8324

Background



This preview shows how black text looks on a background with the XYZ color 15.9528, 8.2221, 0.8324.



This preview shows how white text looks on a background with the XYZ color 15.9528, 8.2221,

0.8324.

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

15.9528, 8.2221, 0.8324

Protanopia

8.0345, 8.8315, 2.0402

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.8967, 8.4486, 0.7929

Trichromacy



Original Color

15.9528, 8.2221, 0.8324

Protanomaly

9.2445, 6.6456, 1.2474

Deuteranomaly

10.0914, 6.9590, 0.8401

Tritanomaly

15.8399, 8.3263, 0.8010

Monochromacy



Original Color

15.9528, 8.2221, 0.8324

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.3052, 3.4700, 1.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9528, 8.2221, 0.8324 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(167, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 15.9528, 8.2221, 0.8324 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(167, 0, 3) }
```


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

```
.border{ border-color:rgb(167, 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(167, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(167, 0, 3); box-shadow:4px  
4px 4px 4px rgb(167, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9528, 8.2221, 0.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 3) }
```

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

```
.background{ background-color: rgb(167, 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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