

Converting Colors

XYZ(15.8112, 8.8974, 2.2768)

Have a look what the booklet for
XYZ(15.8112, 8.8974, 2.2768)
contains.

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Color

**XYZ(15.8815, 8.9238,
2.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	A32020
RGB	163, 32, 32
RGB Percent	64%, 13%, 13%
CMY	0.3608, 0.8745, 0.8745
CMYK	0.00, 0.80, 0.80, 0.36
HSL	0°, 67%, 38%
HSV	0°, 80%, 64%
XYZ	15.8815, 8.9238, 2.2519
YIQ	71.1690, 78.0760, 27.7720

Conversions

Conversions Part 2

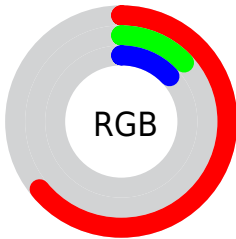
Format	Color
R_{YB}	163, 32, 32
Decimal	10690592
CIE _{Lab}	35.84, 51.96, 34.48
CIE _{LCh}	36, 62.356, 33.566
Yxy	8.9238, 0.5870, 0.3298
Android (android.graphics.Color)	4288880672 (0xFFA32020)
YUV	71.1690, -19.3103, 80.5358
Hunter-Lab	29.8727, 42.6202, 16.4414

Details

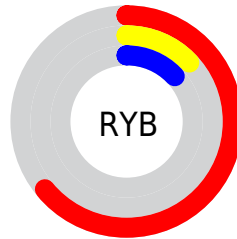
The XYZ color **15.8815, 8.9238, 2.2519** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.3019, 29.1423, 39.2052**, and the grayscale version is **6.0409, 6.3555, 6.9212**.

A 20% lighter version of the original color is **36.0471, 23.8557, 9.7259**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.3765, 8.1851, 1.2480**, and if you desaturate by 10%, it is **16.7135, 10.1416, 3.9055**.

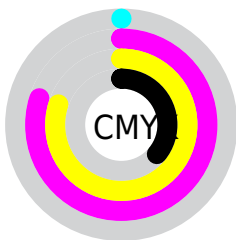
Distribution



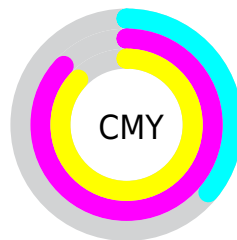
- Red (64%)
- Green (13%)
- Blue (13%)



- Red (64%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8815, 8.9238, 2.2519 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 15.8815, 8.9238, 2.2519 by changing the saturation by 10% instead.


 15.8815, 8.9238,
2.2519

 15.8815, 8.9238,
2.2519


221.9256,
182.8084, 126.1732


 9.5307, 4.6915,
0.7041


 35.9515, 23.7505,
9.7187


 5.1488, 2.0674,
0.0000

 50.4013, 35.1138,
16.4975

 2.3705, 0.6462,
0.0000

 68.2815, 49.6228,
25.8645

 0.8304, 0.0000,
0.0000


 89.9575, 67.6620,
38.2384


 0.0000, 0.0000,
0.0000


 115.7945, 89.6158,
54.0377


 146.1579,


115.8685, 73.6809


 181.4132,
146.8046, 97.5866


 15.8815, 8.9238,
2.2519


 15.8815, 8.9238,
2.2519


 15.3765, 8.1851,
1.2480


 16.7135, 10.1416,
3.9055

 15.1043, 7.7868,
0.7069

 17.9146, 11.8992,
6.2931

 19.5211, 14.2500,
9.4866

 21.5649, 17.2406,
13.5494

 24.0746, 20.9130,
18.5386

■ 27.0764, 25.3056,
24.5062

■ 30.5948, 30.4540,
31.5006

■ 34.6523, 36.3912,
39.5670

■ 39.2704, 43.1487,
48.7477

Harmonies

Analogous

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



17.7266, 8.9238, 8.5057



15.8815, 8.9238, 2.2519



12.0520, 8.9238, 0.4161

Triad

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



15.8815, 8.9238, 2.2519



3.5797, 8.9238, 3.1838



8.9312, 8.9238, 47.4294

Complementary

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



15.8815, 8.9238, 2.2519



20.3019, 29.1423, 39.2052

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.



5.6970, 8.9238, 41.6739



15.8815, 8.9238, 2.2519



3.1852, 8.9238, 11.0371

Square

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



15.8815, 8.9238, 2.2519



5.1302, 8.9238, 0.6873



3.8340, 8.9238, 25.8561



13.0450, 8.9238, 38.4233

Rectangle

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



15.8815, 8.9238, 2.2519



9.3027, 8.9238, 0.0000



3.8340, 8.9238, 25.8561



7.7107, 8.9238, 47.1745

Sweetspot

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



15.8817, 8.9243, 2.2520



46.1908, 41.9532, 39.3140



22.2316, 11.4639, 35.6912



9.9688, 8.8292, 8.0238



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.



15.8817, 8.9243, 2.2520



27.1890, 14.1477, 1.5409



19.6860, 16.5329, 3.5201



7.0738, 7.0860, 7.3750



11.7389, 6.0518, 0.5494



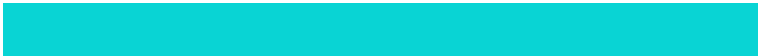
0.2467, 0.1272, 0.0115

Inverse Universe

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



20.3019, 29.1423, 39.2052



35.3979, 51.6951, 70.1686



11.5275, 11.5935, 36.2804



7.2761, 8.0112, 9.0659



15.3152, 22.4098, 30.4481



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 15.8815, 8.9238, 2.2519 looks on a white background.

Color Contrast Check

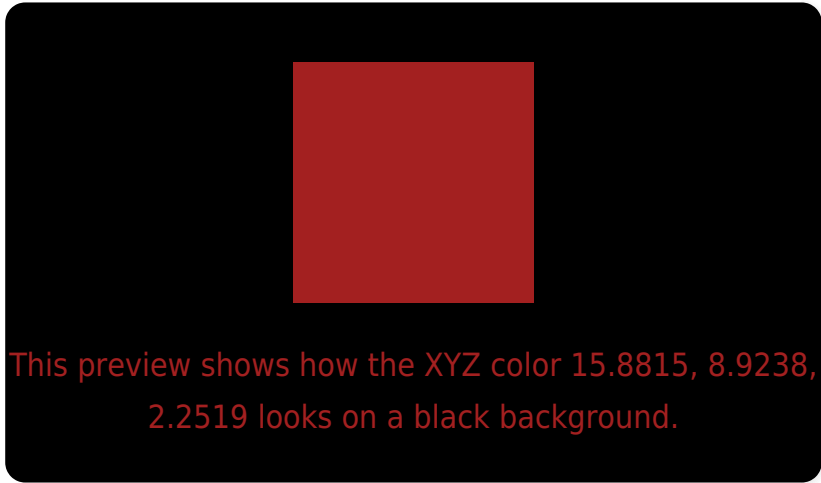
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8815, 8.9238, 2.2519

Background



This preview shows how black text looks on a background with the XYZ color 15.8815, 8.9238, 2.2519.



This preview shows how white text looks on a background with the XYZ color 15.8815, 8.9238,

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

15.8815, 8.9238, 2.2519

Protanopia

8.4570, 9.2405, 4.0272

Deuteranopia

9.2530, 9.1235, 1.9351



Tritanopia

15.8815, 8.9238, 2.2519

Trichromacy



Original Color

15.8815, 8.9238, 2.2519

Protanomaly

9.9739, 7.9855, 3.2062

Deuteranomaly

10.8445, 8.2102, 1.8773

Tritanomaly

15.8815, 8.9238, 2.2519

Monochromacy



Original Color

15.8815, 8.9238, 2.2519

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.9106, 6.1647, 4.6439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8815, 8.9238, 2.2519 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, 32, 32)` looks like.

```
.text, #text, p{  
    color:rgb(163, 32, 32)  
}
```

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, 32, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 32, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.8815, 8.9238, 2.2519 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, 32, 32) }
```


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

```
.border{ border-color:rgb(163, 32, 32) }
```

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

Here you see how a box with a 4 pixel rgb(163, 32, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 32, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 32, 32);  
box-shadow:4px 4px 4px 4px rgb(163, 32,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8815, 8.9238, 2.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 32, 32) }
```

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

```
.background{ background-color: rgb(163, 32,  
32) }
```

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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