

Converting Colors

XYZ(15.8142, 8.1777, 3.1155)

Have a look what the booklet for
XYZ(15.8142, 8.1777, 3.1155)
contains.

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Color

**XYZ(15.8187, 8.1829,
3.1286)**

Conversions

Conversions Part 1

Format	Color
Hex	A4052C
RGB	164, 5, 44
RGB Percent	64%, 2%, 17%
CMY	0.3569, 0.9803, 0.8274
CMYK	0.00, 0.97, 0.73, 0.36
HSL	345°, 94%, 33%
HSV	345°, 97%, 64%
XYZ	15.8187, 8.1829, 3.1286
YIQ	56.9870, 82.2450, 45.8370

Conversions

Conversions Part 2

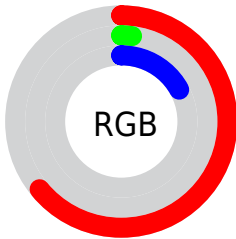
Format	Color
RYB	164, 5, 44
Decimal	10749228
CIELab	34.36, 57.96, 25.57
CIElCh	34, 63.348, 23.808
Yxy	8.1829, 0.5831, 0.3016
Android (android.graphics.Color)	4288939308 (0xFFA4052C)
YUV	56.9870, -6.4026, 93.8504
Hunter-Lab	28.6058, 48.6486, 13.5395

Details

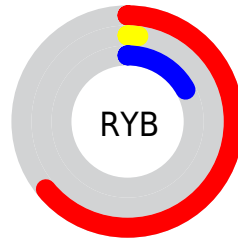
The XYZ color **15.8187, 8.1829, 3.1286** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.0416, 28.0644, 23.9295**, and the grayscale version is **3.8897, 4.0923, 4.4565**.

A 20% lighter version of the original color is **35.8916, 22.3388, 11.8713**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.6962, 8.0470, 2.7518**, and if you desaturate by 10%, it is **16.3089, 8.7338, 4.6165**.

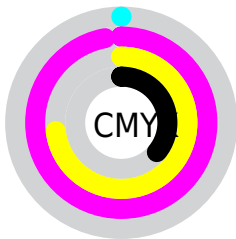
Distribution



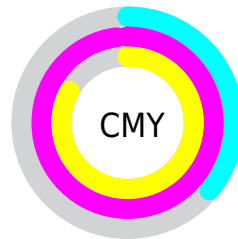
- Red (64%)
- Green (2%)
- Blue (17%)



- Red (64%)
- Yellow (2%)
- Blue (17%)



- Cyan (0%)
- Magenta (97%)
- Yellow (73%)
- Black (36%)





- Cyan (36%)
- Magenta (98%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8187, 8.1829, 3.1286 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 15.8187, 8.1829, 3.1286 by changing the saturation by 10% instead.


 15.8187, 8.1829,
3.1286


 15.8187, 8.1829,
3.1286


221.5610,
177.1596, 137.9820


 9.4860, 4.2122,
1.1607


 35.8432, 22.3162,
11.9442

 5.1191, 1.7930,
0.0000

 50.2656, 33.2476,
19.6288


 2.3528, 0.4828,
0.0000

 68.1154, 47.2681,
30.0562

 0.8215, 0.0000,
0.0000

 89.7578, 64.7620,
43.6448

 0.0000, 0.0000,
0.0000

 115.5582, 86.1137,
60.8131

 145.8820,

111.7076, 81.9798

181.0944,
141.9281, 107.5632

15.8187, 8.1829,
3.1286

15.8187, 8.1829,
3.1286

15.6962, 8.0470,
2.7518

16.3089, 8.7338,
4.6165

17.0640, 9.6943,
6.5629

18.1298, 11.1481,
9.0081

19.5381, 13.1511,
11.9852

21.3162, 15.7516,
15.5245

■ 23.4889, 18.9926,
19.6537

■ 26.0787, 22.9130,
24.3988

■ 29.1064, 27.5488,
29.7839

■ 32.5911, 32.9333,
35.8322

Harmonies

Analogous

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



16.7010, 8.1829, 11.1832



15.8187, 8.1829, 3.1286



12.5311, 8.1829, 0.5676

Triad

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



15.8187, 8.1829, 3.1286



3.4750, 8.1829, 1.6430



7.0660, 8.1829, 45.7585

Complementary

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



15.8187, 8.1829, 3.1286



17.0416, 28.0644, 23.9295

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.



4.4099, 8.1829, 35.7330



15.8187, 8.1829, 3.1286



2.7822, 8.1829, 6.9675

Square

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



15.8187, 8.1829, 3.1286



5.3400, 8.1829, 0.0899



3.0631, 8.1829, 19.3276



10.8628, 8.1829, 41.3101

Rectangle

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



15.8187, 8.1829, 3.1286



9.8351, 8.1829, 0.0000



3.0631, 8.1829, 19.3276



6.0291, 8.1829, 43.8224

Sweetspot

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



15.8189, 8.1834, 3.1287



46.0353, 39.6109, 41.9293



15.1046, 7.0936, 35.6947



9.6458, 8.0260, 8.4007



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.



15.8189, 8.1834, 3.1287



28.4214, 14.5788, 4.6257



16.2669, 9.7627, 1.1714



7.1417, 7.1131, 7.7325



12.0517, 6.1767, 2.1969



0.2706, 0.1367, 0.1378

Inverse Universe

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



15.8189, 8.1834, 3.1287



28.4214, 14.5788, 4.6257



14.0035, 17.1924, 37.7020



7.1417, 7.1131, 7.7325



12.0517, 6.1767, 2.1969



0.2706, 0.1367, 0.1378

Previews

White Background



This preview shows how the XYZ color 15.8187, 8.1829, 3.1286 looks on a white background.

Color Contrast Check

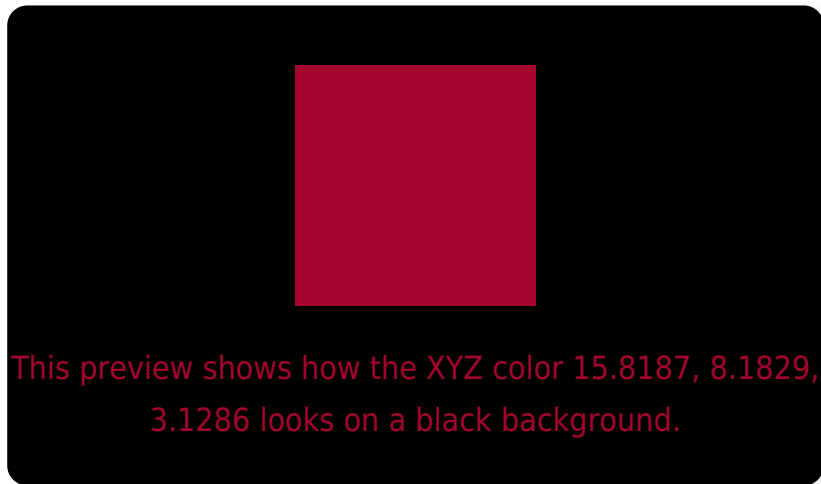
Large Text (above 18pt) WCAG AA ✓ Pass

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

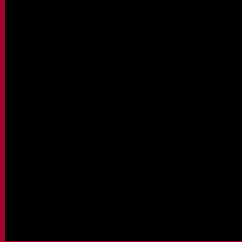
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8187, 8.1829, 3.1286

Background



This preview shows how black text looks on a background with the XYZ color 15.8187, 8.1829, 3.1286.



This preview shows how white text looks on a background with the XYZ color 15.8187, 8.1829,

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

15.8187, 8.1829, 3.1286

Protanopia

8.1964, 8.7037, 6.4022

Deuteranopia

8.8083, 8.6564, 2.7967



Tritanopia

15.3998, 8.2508, 1.1964

Trichromacy



Original Color

15.8187, 8.1829, 3.1286

Protanomaly

9.3324, 6.7509, 4.8142

Deuteranomaly

10.1820, 7.0315, 2.6543

Tritanomaly

15.4236, 8.1446, 1.6788

Monochromacy



Original Color

15.8187, 8.1829, 3.1286

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.1368, 4.1210, 3.7208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8187, 8.1829, 3.1286 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(164, 5, 44)` looks like.

```
.text, #text, p{  
    color:rgb(164, 5, 44)  
}
```

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(164, 5, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 5, 44) }
```

Border

The CSS property to change the border of an element to XYZ 15.8187, 8.1829, 3.1286 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(164, 5, 44) }
```


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

```
.border{ border-color:rgb(164, 5, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 5, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 5, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 5, 44);  
box-shadow:4px 4px 4px 4px rgb(164, 5, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8187, 8.1829, 3.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 5, 44) }
```

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

```
.background{ background-color: rgb(164, 5,  
44) }
```

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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