

Converting Colors

XYZ(15.8351, 8.1446, 1.5843)

Have a look what the booklet for
XYZ(15.8351, 8.1446, 1.5843)
contains.

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Color

**XYZ(15.8908, 8.1729,
1.6042)**

Conversions

Conversions Part 1

Format	Color
Hex	A60018
RGB	166, 0, 24
RGB Percent	65%, 0%, 9%
CMY	0.3490, 0.9999, 0.9059
CMYK	0.00, 1.00, 0.86, 0.35
HSL	351°, 100%, 33%
HSV	351°, 100%, 65%
XYZ	15.8908, 8.1729, 1.6042
YIQ	52.3700, 91.2320, 42.6560

Conversions

Conversions Part 2

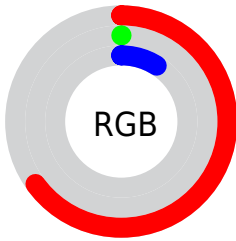
Format	Color
RYB	166, 0, 24
Decimal	10879000
CIELab	34.34, 58.46, 37.76
CIELCh	34, 69.599, 32.860
Yxy	8.1729, 0.6191, 0.3184
Android (android.graphics.Color)	4289069080 (0xFFA60018)
YUV	52.3700, -13.9864, 99.6535
Hunter-Lab	28.5883, 49.1897, 16.6848

Details

The XYZ color **15.8908, 8.1729, 1.6042** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.5206, 29.2261, 30.2648**, and the grayscale version is **3.3181, 3.4909, 3.8016**.

A 20% lighter version of the original color is **35.9409, 22.2443, 7.8681**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.8905, 8.1728, 1.6031**, and if you desaturate by 10%, it is **16.2736, 8.6375, 2.6605**.

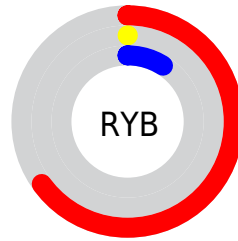
Distribution



Red (65%)

Green (0%)

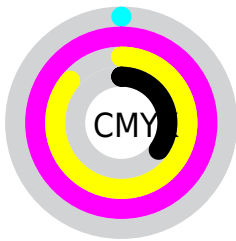
Blue (9%)



Red (65%)

Yellow (0%)

Blue (9%)

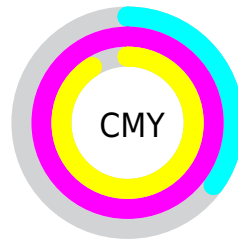


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (35%)



Cyan (35%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8908, 8.1729, 1.6042 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 15.8908, 8.1729, 1.6042 by changing the saturation by 10% instead.


 15.8908, 8.1729,
1.6042


 15.8908, 8.1729,
1.6042


221.9796,
177.0819, 115.8920


 9.5373, 4.2058,
0.2938


 35.9675, 22.2967,
7.9274


 5.1531, 1.7893,
0.0000

 50.4214, 33.2222,
13.9207


 2.3731, 0.4805,
0.0000

 68.3061, 47.2359,
22.3598

 0.8317, 0.0000,
0.0000


 89.9870, 64.7222,
33.6633


 0.0000, 0.0000,
0.0000


 115.8294, 86.0656,
48.2497


 146.1988,

111.6504, 66.5376


 181.4604,
141.8611, 88.9455


 15.8908, 8.1729,
1.6042


 15.8908, 8.1729,
1.6042


 15.8905, 8.1728,
1.6031

 16.2736, 8.6375,
2.6605

 16.9049, 9.4587,
4.2316

 17.8603, 10.7736,
6.3867

 19.1769, 12.6442,
9.1769

 20.8869, 15.1234,
12.6472

■ 23.0187, 18.2579,
16.8389

■ 25.5981, 22.0897,
21.7897

■ 28.6488, 26.6575,
27.5347

■ 32.1929, 31.9970,
34.1069

Harmonies

Analogous

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



17.8809, 8.1729, 7.8729



15.8908, 8.1729, 1.6042



11.7012, 8.1729, 0.0000

Triad

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



15.8908, 8.1729, 1.6042



2.8342, 8.1729, 2.2700



8.1471, 8.1729, 51.9755

Complementary

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



15.8908, 8.1729, 1.6042



18.5206, 29.2261, 30.2648

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.



4.8328, 8.1729, 44.7779



15.8908, 8.1729, 1.6042



2.4387, 8.1729, 10.0104

Square

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



15.8908, 8.1729, 1.6042



4.3772, 8.1729, 0.0520



3.0289, 8.1729, 26.3015



12.5708, 8.1729, 41.7139

Rectangle

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



15.8908, 8.1729, 1.6042



8.7347, 8.1729, 0.0000



3.0289, 8.1729, 26.3015



6.8756, 8.1729, 51.5249

Sweetspot

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



15.8910, 8.1734, 1.6043



46.1682, 39.6581, 38.9947



17.8852, 8.4254, 36.7599



9.8884, 8.2151, 7.8799



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.



15.8910, 8.1734, 1.6043



28.7925, 14.8140, 2.6599



17.2448, 11.1447, 1.2429



7.5736, 7.5593, 8.0720



12.3334, 6.3421, 1.3015



0.3128, 0.1594, 0.0989

Inverse Universe

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



15.8910, 8.1734, 1.6043



28.7925, 14.8140, 2.6599



12.2361, 13.4590, 38.0292



7.5736, 7.5593, 8.0720



12.3334, 6.3421, 1.3015



0.3128, 0.1594, 0.0989

Previews

White Background



This preview shows how the XYZ color 15.8908, 8.1729, 1.6042 looks on a white background.

Color Contrast Check

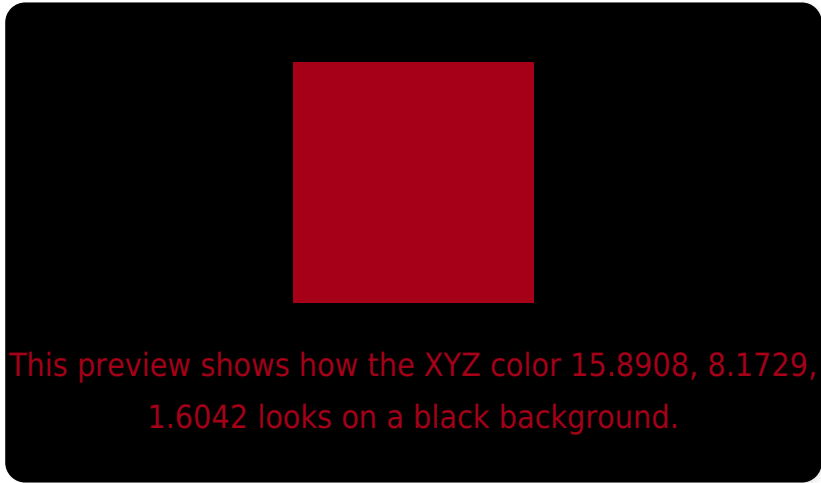
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8908, 8.1729, 1.6042

Background



This preview shows how black text looks on a background with the XYZ color 15.8908, 8.1729, 1.6042.



This preview shows how white text looks on a background with the XYZ color 15.8908, 8.1729,

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

15.8908, 8.1729, 1.6042

Protanopia

8.0675, 8.8210, 3.2849

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.8908, 8.1729, 1.6042

Protanomaly

9.3076, 6.6548, 2.3073

Deuteranomaly

10.1352, 6.9766, 1.0709

Tritanomaly

15.6749, 8.2361, 1.0220

Monochromacy



Original Color

15.8908, 8.1729, 1.6042

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.4760, 3.5820, 2.5933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8908, 8.1729, 1.6042 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 15.8908, 8.1729, 1.6042 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, 24) }
```


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

```
.border{ border-color:rgb(166, 0, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8908, 8.1729, 1.6042 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, 24) }
```

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

```
.background{ background-color: rgb(166, 0,  
24) }
```

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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