

Converting Colors

XYZ(15.8321, 8.1434, 1.5683)

Have a look what the booklet for
XYZ(15.8321, 8.1434, 1.5683)
contains.

XYZ(15.8805, 8.1689, 1.5504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.8805, 8.1689,
1.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	A60017
RGB	166, 0, 23
RGB Percent	65%, 0%, 9%
CMY	0.3490, 0.9999, 0.9098
CMYK	0.00, 1.00, 0.86, 0.35
HSL	352°, 100%, 33%
HSV	352°, 100%, 65%
XYZ	15.8805, 8.1689, 1.5504
YIQ	52.2560, 91.5530, 42.3450

Conversions

Conversions Part 2

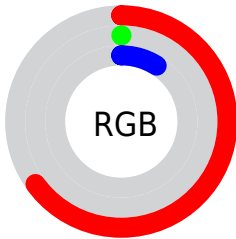
Format	Color
R_YB	166, 0, 23
Decimal	10878999
CIE Lab	34.33, 58.44, 38.30
CIE LCh	34, 69.874, 33.243
Yxy	8.1689, 0.6203, 0.3191
Android (android.graphics.Color)	4289069079 (0xFFA60017)
YUV	52.2560, -14.4232, 99.7535
Hunter-Lab	28.5813, 49.1619, 16.7907

Details

The XYZ color **15.8805, 8.1689, 1.5504** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.5966, 29.2563, 30.6652**, and the grayscale version is **3.3055, 3.4776, 3.7871**.

A 20% lighter version of the original color is **35.9107, 22.2321, 7.7087**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.8801, 8.1686, 1.5490**, and if you desaturate by 10%, it is **16.2592, 8.6319, 2.5845**.

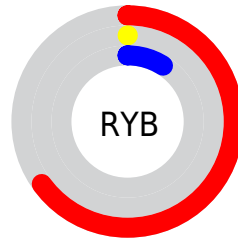
Distribution



Red (65%)

Green (0%)

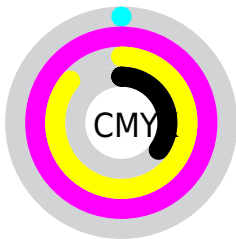
Blue (9%)



Red (65%)

Yellow (0%)

Blue (9%)

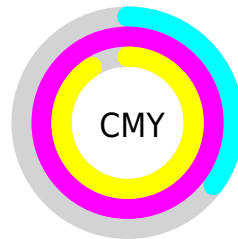


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (35%)



Cyan (35%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8805, 8.1689, 1.5504 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 15.8805, 8.1689, 1.5504 by changing the saturation by 10% instead.

■ 15.8805, 8.1689,
1.5504

■ 15.8805, 8.1689,
1.5504

221.9198,
177.0508, 114.9507

■ 9.5299, 4.2032,
0.2551

■ 35.9497, 22.2889,
7.7706

■ 5.1483, 1.7879,
0.0000

■ 50.3991, 33.2120,
13.6922

■ 2.3702, 0.4796,
0.0000

■ 68.2789, 47.2230,
22.0461

■ 0.8302, 0.0000,
0.0000


■ 89.9543, 64.7064,
33.2510


■ 0.0000, 0.0000,
0.0000

■ 115.7907, 86.0464,
47.7254


■ 146.1536,

111.6276, 65.8878

 181.4081,
141.8343, 88.1567


 15.8805, 8.1689,
1.5504


 15.8805, 8.1689,
1.5504


 15.8801, 8.1686,
1.5490

 16.2592, 8.6319,
2.5845

 16.8870, 9.4519,
4.1368

 17.8397, 10.7659,
6.2779

 19.1549, 12.6362,
9.0598

 20.8648, 15.1155,
12.5287

■ 22.9979, 18.2507,
16.7267

■ 25.5802, 22.0839,
21.6922

■ 28.6356, 26.6538,
27.4609

■ 32.1862, 31.9961,
34.0666

Harmonies

Analogous

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



17.9209, 8.1689, 7.7337



15.8805, 8.1689, 1.5504



11.6552, 8.1689, 0.0000

Triad

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



15.8805, 8.1689, 1.5504



2.8074, 8.1689, 2.3044



8.1964, 8.1689, 52.2104

Complementary

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



15.8805, 8.1689, 1.5504



18.5966, 29.2563, 30.6652

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.



4.8529, 8.1689, 45.1779



15.8805, 8.1689, 1.5504



2.4246, 8.1689, 10.1661

Square

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



15.8805, 8.1689, 1.5504



4.3351, 8.1689, 0.0527



3.0283, 8.1689, 26.6361



12.6456, 8.1689, 41.6810

Rectangle

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



15.8805, 8.1689, 1.5504



8.6809, 8.1689, 0.0000



3.0283, 8.1689, 26.6361



6.9146, 8.1689, 51.8376

Sweetspot

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



15.8807, 8.1694, 1.5505



46.1334, 39.6442, 38.8115



17.8853, 8.4256, 36.7596



9.8801, 8.2118, 7.8362



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.



15.8807, 8.1694, 1.5505



28.7753, 14.8072, 2.5696



17.2450, 11.1452, 1.2432



7.5718, 7.5586, 8.0625



12.3251, 6.3388, 1.2578



0.3122, 0.1591, 0.0953

Inverse Universe

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



15.8807, 8.1694, 1.5505



28.7753, 14.8072, 2.5696



12.2363, 13.4595, 38.0289



7.5718, 7.5586, 8.0625



12.3251, 6.3388, 1.2578



0.3122, 0.1591, 0.0953

Previews

White Background



This preview shows how the XYZ color 15.8805, 8.1689, 1.5504 looks on a white background.

Color Contrast Check

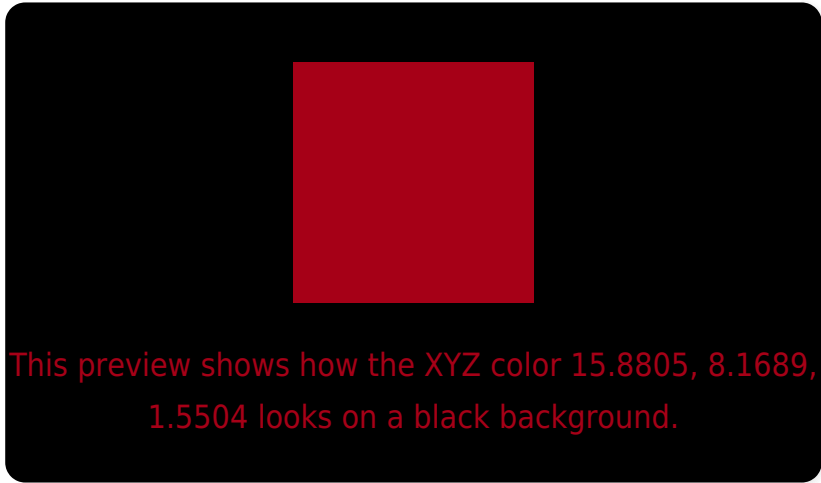
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8805, 8.1689, 1.5504

Background



This preview shows how black text looks on a background with the XYZ color 15.8805, 8.1689, 1.5504.



This preview shows how white text looks on a background with the XYZ color 15.8805, 8.1689,

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

15.8805, 8.1689, 1.5504

Protanopia

8.0344, 8.8077, 3.1103

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.8805, 8.1689, 1.5504

Protanomaly

9.2933, 6.6491, 2.2324

Deuteranomaly

10.1297, 6.9744, 1.0420

Tritanomaly

15.6694, 8.2339, 0.9932

Monochromacy



Original Color

15.8805, 8.1689, 1.5504

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.4583, 3.5750, 2.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8805, 8.1689, 1.5504 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 23) }
```

Border

The CSS property to change the border of an element to XYZ 15.8805, 8.1689, 1.5504 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, 23) }
```


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

```
.border{ border-color:rgb(166, 0, 23) }
```

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, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8805, 8.1689, 1.5504 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, 23) }
```

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

```
.background{ background-color: rgb(166, 0,  
23) }
```

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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