

Converting Colors

XYZ(15.2731, 7.8588, 1.3823)

Have a look what the booklet for
XYZ(15.2731, 7.8588, 1.3823)
contains.

XYZ(15.2305, 7.8370, 1.3718)	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(15.2305, 7.8370,
1.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	A30014
RGB	163, 0, 20
RGB Percent	64%, 0%, 8%
CMY	0.3608, 0.9999, 0.9216
CMYK	0.00, 1.00, 0.88, 0.36
HSL	353°, 100%, 32%
HSV	353°, 100%, 64%
XYZ	15.2305, 7.8370, 1.3718
YIQ	51.0170, 90.7280, 40.7760

Conversions

Conversions Part 2

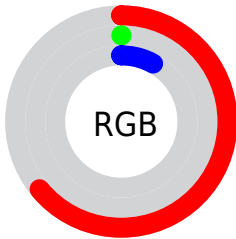
Format	Color
RYB	163, 0, 20
Decimal	10682388
CIELab	33.64, 57.61, 39.05
CIELCh	34, 69.596, 34.132
Yxy	7.8370, 0.6232, 0.3207
Android (android.graphics.Color)	4288872468 (0xFFA30014)
YUV	51.0170, -15.2914, 98.2091
Hunter-Lab	27.9946, 48.1224, 16.6909

Details

The XYZ color **15.2305, 7.8370, 1.3718** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.0571, 28.1782, 30.4830**, and the grayscale version is **3.1599, 3.3245, 3.6203**.

A 20% lighter version of the original color is **34.8739, 21.7078, 7.2025**, and **5.3668, 2.7667, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **15.2302, 7.8369, 1.3708**, and if you desaturate by 10%, it is **15.5874, 8.2840, 2.3138**.

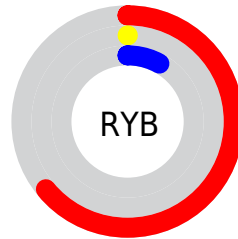
Distribution



Red (64%)

Green (0%)

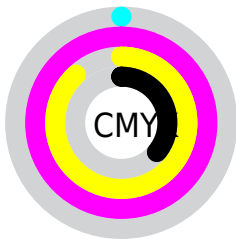
Blue (8%)



Red (64%)

Yellow (0%)

Blue (8%)

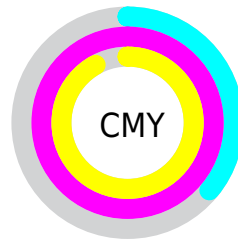


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (36%)



Cyan (36%)


Magenta (100%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2305, 7.8370, 1.3718 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 15.2305, 7.8370, 1.3718 by changing the saturation by 10% instead.


 15.2305, 7.8370,
1.3718


 15.2305, 7.8370,
1.3718


 218.1180,
174.4479, 111.7003


 9.0687, 3.9908,
0.1196


 34.8254, 21.6383,
7.2387


 4.8435, 1.6684,
0.0000

 48.9892, 32.3622,
12.9130


 2.1895, 0.4031,
0.0000

 66.5510, 46.1474,
20.9727

 0.7372, 0.0000,
0.0000

 87.8762, 63.3784,
31.8363


 0.0000, 0.0000,
0.0000


 113.3301, 84.4396,
45.9223


 143.2782,

109.7153, 63.6493


 178.0857,
139.5899, 85.4358


 15.2305, 7.8370,
1.3718


 15.2305, 7.8370,
1.3718


 15.2302, 7.8369,
1.3708

 15.5874, 8.2840,
2.3138

 16.1837, 9.0719,
3.7603

 17.0939, 10.3346,
5.7828

 18.3543, 12.1316,
8.4342

 19.9961, 14.5137,
11.7610

■ 22.0472, 17.5257,
15.8055

■ 24.5326, 21.2079,
20.6064

■ 27.4755, 25.5976,
26.1997

■ 30.8973, 30.7291,
32.6191

Harmonies

Analogous

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



17.3046, 7.8370, 7.1195



15.2305, 7.8370, 1.3718



11.0914, 7.8370, 0.0000

Triad

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



15.2305, 7.8370, 1.3718



2.6361, 7.8370, 2.2921



7.9849, 7.8370, 50.6866

Complementary

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



15.2305, 7.8370, 1.3718



18.0571, 28.1782, 30.4830

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.



4.7063, 7.8370, 44.3106



15.2305, 7.8370, 1.3718



2.2968, 7.8370, 10.1225

Square

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



15.2305, 7.8370, 1.3718



4.0696, 7.8370, 0.0275



2.9068, 7.8370, 26.3526



12.3167, 7.8370, 39.9637

Rectangle

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



15.2305, 7.8370, 1.3718



8.2170, 7.8370, 0.0000



2.9068, 7.8370, 26.3526



6.7301, 7.8370, 50.5065

Sweetspot

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



15.2307, 7.8375, 1.3719



43.6603, 37.5717, 36.3758



17.6414, 8.3312, 35.3283



9.3872, 7.8170, 7.3644



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.



15.2307, 7.8375, 1.3719



27.2364, 14.0194, 2.2444



16.7087, 10.9954, 1.2424



7.1075, 7.0994, 7.5523



11.8465, 6.0947, 1.1164



0.2586, 0.1320, 0.0747

Inverse Universe

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



15.2307, 7.8375, 1.3719



27.2364, 14.0194, 2.2444



11.4855, 12.3932, 36.4368



7.1075, 7.0994, 7.5523



11.8465, 6.0947, 1.1164



0.2586, 0.1320, 0.0747

Previews

White Background



This preview shows how the XYZ color 15.2305, 7.8370, 1.3718 looks on a white background.

Color Contrast Check

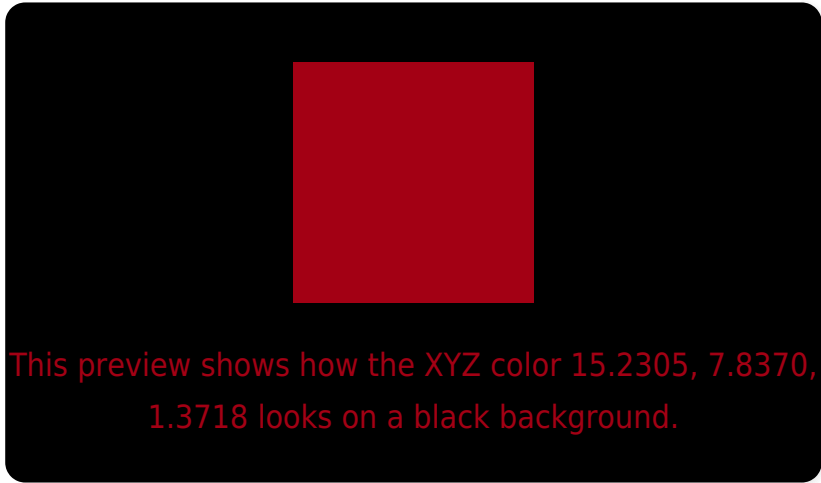
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2305, 7.8370, 1.3718

Background



This preview shows how black text looks on a background with the XYZ color 15.2305, 7.8370, 1.3718.



This preview shows how white text looks on a background with the XYZ color 15.2305, 7.8370,

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

15.2305, 7.8370, 1.3718

Protanopia

7.7343, 8.4312, 2.8099

Deuteranopia

8.4333, 8.3918, 1.1753



Tritanopia

15.0711, 8.0230, 0.7543

Trichromacy



Original Color

15.2305, 7.8370, 1.3718

Protanomaly

8.9335, 6.4013, 1.9930

Deuteranomaly

9.6364, 6.6565, 0.9780

Tritanomaly

15.0472, 7.9138, 0.9355

Monochromacy



Original Color

15.2305, 7.8370, 1.3718

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.3131, 3.4615, 2.3956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2305, 7.8370, 1.3718 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, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 20)  
}
```

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, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 15.2305, 7.8370, 1.3718 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, 0, 20) }
```


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

```
.border{ border-color:rgb(163, 0, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2305, 7.8370, 1.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 20) }
```

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

```
.background{ background-color: rgb(163, 0,  
20) }
```

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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