

Converting Colors

XYZ(15.1679, 7.8169, 0.8268)

Have a look what the booklet for
XYZ(15.1679, 7.8169, 0.8268)
contains.

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Color

**XYZ(15.1262, 7.7953,
0.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	A30004
RGB	163, 0, 4
RGB Percent	64%, 0%, 2%
CMY	0.3608, 0.9999, 0.9843
CMYK	0.00, 1.00, 0.98, 0.36
HSL	359°, 100%, 32%
HSV	359°, 100%, 64%
XYZ	15.1262, 7.7953, 0.8223
YIQ	49.1930, 95.8640, 35.8000

Conversions

Conversions Part 2

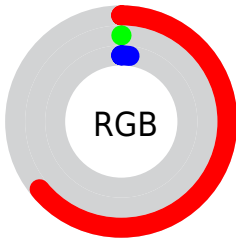
Format	Color
RYB	163, 0, 4
Decimal	10682372
CIELab	33.55, 57.37, 46.09
CIElCh	34, 73.587, 38.778
Yxy	7.7953, 0.6371, 0.3283
Android (android.graphics.Color)	4288872452 (0xFFA30004)
YUV	49.1930, -22.2801, 99.8087
Hunter-Lab	27.9201, 47.8455, 17.7978

Details

The XYZ color **15.1262, 7.7953, 0.8223** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.3575, 28.6984, 37.3307**, and the grayscale version is **2.9589, 3.1130, 3.3901**.

A 20% lighter version of the original color is **34.4776, 21.4399, 5.4531**, and **5.3668, 2.7667, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **15.1259, 7.7952, 0.8216**, and if you desaturate by 10%, it is **15.4197, 8.2169, 1.4307**.

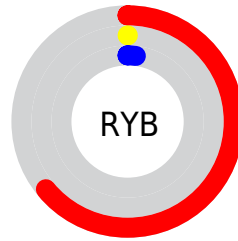
Distribution



Red (64%)

Green (0%)

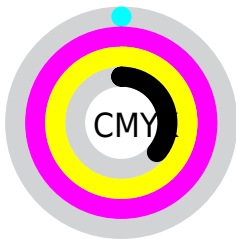
Blue (2%)



Red (64%)

Yellow (0%)

Blue (2%)

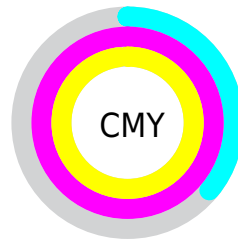


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (36%)



Cyan (36%)


Magenta (100%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1262, 7.7953, 0.8223 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 15.1262, 7.7953, 0.8223 by changing the saturation by 10% instead.


 15.1262, 7.7953,
0.8223

 15.1262, 7.7953,
0.8223


 217.5021,
174.1175, 100.1763


 8.9949, 3.9642,
0.0000


 34.6443, 21.5562,
5.4775


 4.7949, 1.6536,
0.0000

 48.7617, 32.2548,
10.2808


 2.1610, 0.3933,
0.0000

 66.2720, 46.0113,
17.2949

 0.7220, 0.0000,
0.0000

 87.5403, 63.2103,
26.9383


 0.0000, 0.0000,
0.0000

 112.9322, 84.2359,
39.6296


 142.8128,


109.4728, 55.7874


 177.5477,
139.3052, 75.8301


 15.1262, 7.7953,
0.8223


 15.1262, 7.7953,
0.8223

 15.1259, 7.7952,
0.8216

 15.4197, 8.2169,
1.4307

 15.9532, 8.9797,
2.5460

 16.8126, 10.2222,
4.3014

 18.0390, 12.0056,
6.7733

 19.6670, 14.3822,
10.0273

■ 21.7276, 17.3980,
14.1217

■ 24.2484, 21.0945,
19.1092

■ 27.2551, 25.5097,
25.0383

■ 30.7712, 30.6789,
31.9538

Harmonies

Analogous

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



17.8469, 7.7953, 5.5615



15.1262, 7.7953, 0.8223



10.5413, 7.7953, 0.0000

Triad

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



15.1262, 7.7953, 0.8223



2.3178, 7.7953, 2.7668



8.6404, 7.7953, 53.8482

Complementary

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



15.1262, 7.7953, 0.8223



19.3575, 28.6984, 37.3307

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.



4.9685, 7.7953, 49.7406



15.1262, 7.7953, 0.8223



2.1254, 7.7953, 12.2939

Square

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



15.1262, 7.7953, 0.8223



3.5735, 7.7953, 0.0338



2.8991, 7.7953, 30.9661



13.3148, 7.7953, 39.6353

Rectangle

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



15.1262, 7.7953, 0.8223



7.5737, 7.7953, 0.0000



2.8991, 7.7953, 30.9661



7.2471, 7.7953, 54.7161

Sweetspot

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



15.1264, 7.7958, 0.8224



43.1460, 37.3660, 33.6677



20.6266, 9.8702, 35.4681



9.2649, 7.7681, 6.7205



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.



15.1264, 7.7958, 0.8224



27.0789, 13.9564, 1.4149



17.6943, 12.9665, 1.5709



7.0804, 7.0886, 7.4101



11.7583, 6.0594, 0.6517



0.2490, 0.1281, 0.0241

Inverse Universe

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



15.1264, 7.7958, 0.8224



27.0789, 13.9564, 1.4149



10.0149, 9.4520, 35.9467



7.0804, 7.0886, 7.4101



11.7583, 6.0594, 0.6517



0.2490, 0.1281, 0.0241

Previews

White Background



This preview shows how the XYZ color 15.1262, 7.7953, 0.8223 looks on a white background.

Color Contrast Check

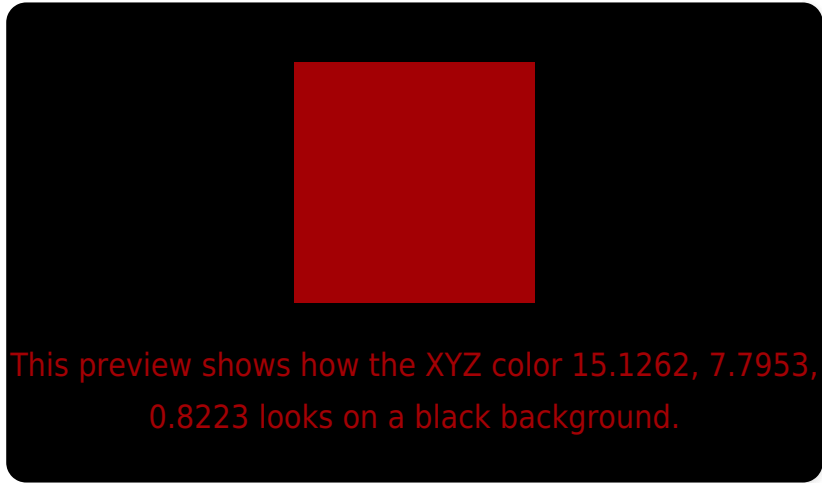
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1262, 7.7953, 0.8223

Background



This preview shows how black text looks on a background with the XYZ color 15.1262, 7.7953, 0.8223.



This preview shows how white text looks on a background with the XYZ color 15.1262, 7.7953,

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

15.1262, 7.7953, 0.8223

Protanopia

7.5757, 8.3678, 1.9749

Deuteranopia

8.4333, 8.3918, 1.1753



Tritanopia

15.0711, 8.0230, 0.7543

Trichromacy



Original Color

15.1262, 7.7953, 0.8223

Protanomaly

8.7854, 6.3420, 1.2130

Deuteranomaly

9.6035, 6.6434, 0.8049

Tritanomaly

15.0143, 7.9007, 0.7624

Monochromacy



Original Color

15.1262, 7.7953, 0.8223

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.9809, 3.2634, 1.8062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1262, 7.7953, 0.8223 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 15.1262, 7.7953, 0.8223 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, 4) }
```


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

```
.border{ border-color:rgb(163, 0, 4) }
```

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, 4)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 15.1262, 7.7953, 0.8223 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, 4) }
```

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

```
.background{ background-color: rgb(163, 0,  
4) }
```

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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