

Converting Colors

XYZ(15.2944, 8.1668, 0.7710)

Have a look what the booklet for
XYZ(15.2944, 8.1668, 0.7710)
contains.

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Color

**XYZ(15.2895, 8.1571,
0.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	A31000
RGB	163, 16, 0
RGB Percent	64%, 6%, 0%
CMY	0.3608, 0.9372, 1.0000
CMYK	0.00, 0.90, 1.00, 0.36
HSL	6°, 100%, 32%
HSV	6°, 100%, 64%
XYZ	15.2895, 8.1571, 0.7686
YIQ	58.1290, 92.7480, 26.1880

Conversions

Conversions Part 2

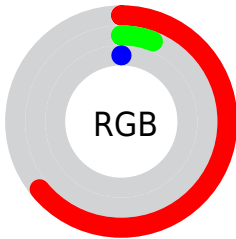
Format	Color
RYB	163, 18, 0
Decimal	10686464
CIELab	34.31, 55.08, 48.16
CIElCh	34, 73.167, 41.162
Yxy	8.1571, 0.6314, 0.3369
Android (android.graphics.Color)	4288876544 (0xFFA31000)
YUV	58.1290, -28.6576, 91.9719
Hunter-Lab	28.5606, 45.5761, 18.3969

Details

The XYZ color **15.2895, 8.1571, 0.7686** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.0412, 23.5052, 38.2887**, and the grayscale version is **4.0690, 4.2809, 4.6619**.

A 20% lighter version of the original color is **34.8608, 22.2754, 5.3679**, and **5.3668, 2.7667, 0.2512** is the 20% darker color. If you saturate the color by 10%, you get **15.2897, 8.1576, 0.7687**, and if you desaturate by 10%, it is **15.6825, 8.7901, 1.3721**.

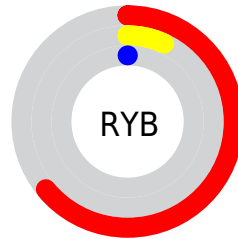
Distribution



Red (64%)

Green (6%)

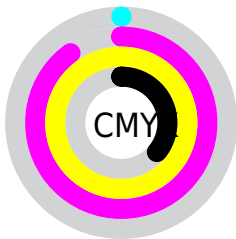
Blue (0%)



Red (64%)

Yellow (7%)

Blue (0%)

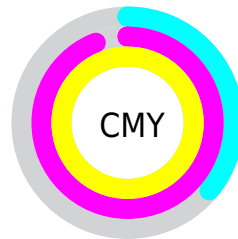


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2895, 8.1571, 0.7686 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 15.2895, 8.1571, 0.7686 by changing the saturation by 10% instead.


 15.2895, 8.1571,
0.7686


 15.2895, 8.1571,
0.7686


 218.4657,
176.9591, 98.9943


 9.1105, 4.1956,
0.0000


 34.9278, 22.2658,
5.3083


 4.8710, 1.7836,
0.0000

 49.1177, 33.1819,
10.0228


 2.2057, 0.4769,
0.0000

 66.7086, 47.1850,
16.9295

 0.7458, 0.0000,
0.0000

 88.0659, 64.6595,
26.4469


 0.0000, 0.0000,
0.0000

 113.5549, 85.9897,
38.9936


 143.5409,

111.5601, 54.9880

 178.3894,
141.7551, 74.8487


 15.2895, 8.1571,
0.7686


 15.2895, 8.1571,
0.7686


 15.2897, 8.1576,
0.7687

 15.6825, 8.7901,
1.3721

 16.3274, 9.8027,
2.4412

 17.2782, 11.2510,
4.1556

 18.5673, 13.1771,
6.5962

 20.2230, 15.6179,
9.8319

■ 22.2705, 18.6070,
13.9234

■ 24.7326, 22.1748,
18.9259

■ 27.6306, 26.3496,
24.8896

■ 30.9842, 31.1580,
31.8612

Harmonies

Analogous

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



18.2828, 8.1571, 5.2025



15.2895, 8.1571, 0.7686



10.5733, 8.1571, 0.0000

Triad

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



15.2895, 8.1571, 0.7686



2.4449, 8.1571, 3.4215



9.3737, 8.1571, 54.2164

Complementary

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



15.2895, 8.1571, 0.7686



17.0412, 23.5052, 38.2887

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.



5.4851, 8.1571, 51.6567



15.2895, 8.1571, 0.7686



2.3210, 8.1571, 13.9820

Square

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



15.2895, 8.1571, 0.7686



3.6498, 8.1571, 0.2844



3.2184, 8.1571, 33.4092



14.1507, 8.1571, 38.8240

Rectangle

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



15.2895, 8.1571, 0.7686



7.5950, 8.1571, 0.0000



3.2184, 8.1571, 33.4092



7.9133, 8.1571, 55.6332

Sweetspot

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



15.2897, 8.1576, 0.7687



44.0292, 39.3301, 33.3522



20.5622, 9.9697, 29.4488



9.4745, 8.2340, 6.6463



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.



15.2897, 8.1576, 0.7687



27.3151, 14.4742, 1.3541



19.2038, 15.9858, 2.0734



7.1272, 7.1928, 7.3928



11.8997, 6.3734, 0.6030



0.2657, 0.1652, 0.0179

Inverse Universe

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



17.0412, 23.5052, 38.2887



30.4373, 41.9312, 68.5454



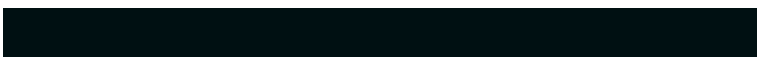
8.6728, 6.7684, 35.4993



7.2164, 7.8917, 9.0460



13.2628, 18.3051, 29.7640



0.2947, 0.4166, 0.6307

Previews

White Background



This preview shows how the XYZ color 15.2895, 8.1571, 0.7686 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 15.2895, 8.1571, 0.7686

Background



This preview shows how black text looks on a background with the XYZ color 15.2895, 8.1571, 0.7686.



This preview shows how white text looks on a background with the XYZ color 15.2895, 8.1571,

0.7686.

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

15.2895, 8.1571, 0.7686

Protanopia

7.7428, 8.5678, 1.9551

Deuteranopia

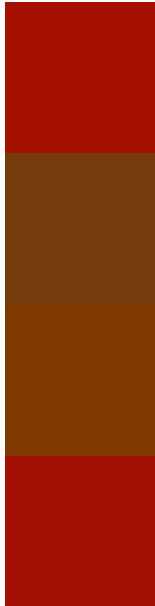
8.6217, 8.5952, 1.2046



Tritanopia

15.3334, 8.1746, 0.9994

Trichromacy



Original Color

15.2895, 8.1571, 0.7686

Protanomaly

9.1078, 7.0085, 1.2535

Deuteranomaly

10.0184, 7.2640, 0.8741

Tritanomaly

15.3169, 8.1681, 0.9129

Monochromacy



Original Color

15.2895, 8.1571, 0.7686

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.0217, 4.3481, 2.2722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2895, 8.1571, 0.7686 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, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 16, 0)  
}
```

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, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 16, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2895, 8.1571, 0.7686 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, 16, 0) }
```


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

```
.border{ border-color:rgb(163, 16, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 16, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 16, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2895, 8.1571, 0.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 16, 0) }
```

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

```
.background{ background-color: rgb(163, 16,  
0) }
```

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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