

Converting Colors

XYZ(15.7296, 8.1024, 1.0286)

Have a look what the booklet for
XYZ(15.7296, 8.1024, 1.0286)
contains.

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Color

**XYZ(15.7807, 8.1289,
1.0245)**

Conversions

Conversions Part 1

Format	Color
Hex	A6000A
RGB	166, 0, 10
RGB Percent	65%, 0%, 4%
CMY	0.3490, 0.9999, 0.9608
CMYK	0.00, 1.00, 0.94, 0.35
HSL	356°, 100%, 33%
HSV	356°, 100%, 65%
XYZ	15.7807, 8.1289, 1.0245
YIQ	50.7740, 95.7260, 38.3020

Conversions

Conversions Part 2

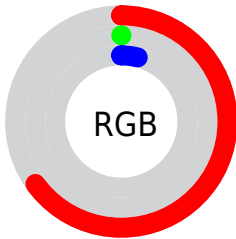
Format	Color
RYB	166, 0, 10
Decimal	10878986
CIELab	34.25, 58.22, 44.41
CIELCh	34, 73.224, 37.341
Yxy	8.1289, 0.6329, 0.3260
Android (android.graphics.Color)	4289069066 (0xFFA6000A)
YUV	50.7740, -20.1016, 101.0532
Hunter-Lab	28.5112, 48.9035, 17.8274

Details

The XYZ color **15.7807, 8.1289, 1.0245** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.6392, 29.6735, 36.1554**, and the grayscale version is **3.1368, 3.3001, 3.5939**.

A 20% lighter version of the original color is **35.6113, 22.1124, 6.1326**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7805, 8.1288, 1.0238**, and if you desaturate by 10%, it is **16.1025, 8.5692, 1.7596**.

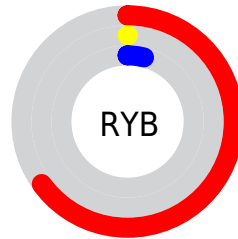
Distribution



Red (65%)

Green (0%)

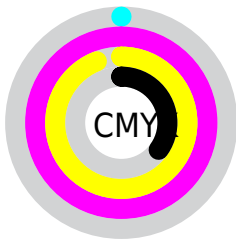
Blue (4%)



Red (65%)

Yellow (0%)

Blue (4%)

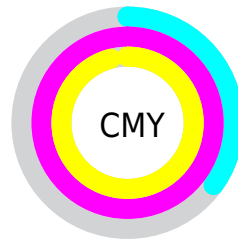


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (35%)



Cyan (35%)


Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7807, 8.1289, 1.0245 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 15.7807, 8.1289, 1.0245 by changing the saturation by 10% instead.


 15.7807, 8.1289,
1.0245


 15.7807, 8.1289,
1.0245


 221.3401,
176.7396, 104.6840


 9.4590, 4.1775,
0.0000


 35.7776, 22.2108,
6.1426


 5.1012, 1.7734,
0.0000

 50.1835, 33.1100,
11.2854


 2.3422, 0.4705,
0.0000

 68.0148, 47.0941,
18.7089

 0.8161, 0.0000,
0.0000

 89.6369, 64.5473,
28.8315


 0.0000, 0.0000,
0.0000

 115.4151, 85.8540,
42.0717


 145.7148,


111.3987, 58.8482

 180.9013,
141.5658, 79.5794


 15.7807, 8.1289,
1.0245


 15.7807, 8.1289,
1.0245


 15.7805, 8.1288,
1.0238

 16.1025, 8.5692,
1.7596

 16.6798, 9.3688,
3.0460

 17.5927, 10.6668,
4.9776

 18.8821, 12.5266,
7.6241

 20.5830, 15.0022,
11.0462

■ 22.7263, 18.1413,
15.2983

■ 25.3401, 21.9869,
20.4296

■ 28.4499, 26.5785,
26.4858

■ 32.0797, 31.9524,
33.5092

Harmonies

Analogous

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



18.3952, 8.1289, 6.2819



15.7807, 8.1289, 1.0245



11.1553, 8.1289, 0.0000

Triad

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



15.7807, 8.1289, 1.0245



2.5164, 8.1289, 2.7149



8.7715, 8.1289, 54.9797

Complementary

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



15.7807, 8.1289, 1.0245



19.6392, 29.6735, 36.1554

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.



5.0836, 8.1289, 49.9124



15.7807, 8.1289, 1.0245



2.2691, 8.1289, 12.0395

Square

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



15.7807, 8.1289, 1.0245



3.8813, 8.1289, 0.0584



3.0208, 8.1289, 30.6343



13.5206, 8.1289, 41.3672

Rectangle

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



15.7807, 8.1289, 1.0245



8.0955, 8.1289, 0.0000



3.0208, 8.1289, 30.6343



7.3685, 8.1289, 55.5215

Sweetspot

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



15.7809, 8.1294, 1.0246



45.6944, 39.4686, 36.4998



20.3882, 9.7158, 36.8769



9.7758, 8.1700, 7.2869



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.



15.7809, 8.1294, 1.0246



28.6138, 14.7426, 1.7192



18.0399, 12.7350, 1.5080



7.5487, 7.5493, 7.9408



12.2434, 6.3061, 0.8272



0.3034, 0.1556, 0.0493

Inverse Universe

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



15.7809, 8.1294, 1.0246



28.6138, 14.7426, 1.7192



10.8928, 10.7726, 37.5814



7.5487, 7.5493, 7.9408



12.2434, 6.3061, 0.8272



0.3034, 0.1556, 0.0493

Previews

White Background



This preview shows how the XYZ color 15.7807, 8.1289, 1.0245 looks on a white background.

Color Contrast Check

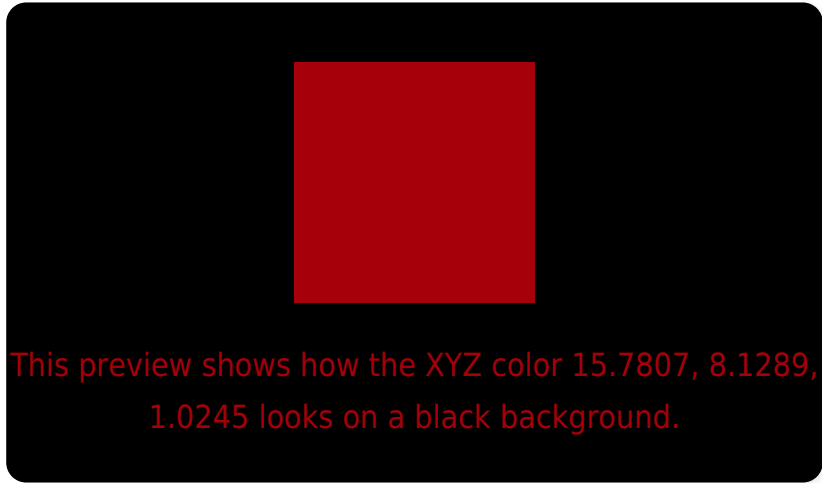
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7807, 8.1289, 1.0245

Background



This preview shows how black text looks on a background with the XYZ color 15.7807, 8.1289, 1.0245.



This preview shows how white text looks on a background with the XYZ color 15.7807, 8.1289,

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

15.7807, 8.1289, 1.0245

Protanopia

7.9619, 8.7905, 2.1968

Deuteranopia

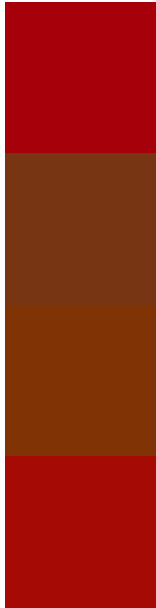
8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.7807, 8.1289, 1.0245

Protanomaly

9.1451, 6.5898, 1.4518

Deuteranomaly

10.1078, 6.9656, 0.9266

Tritanomaly

15.6475, 8.2252, 0.8778

Monochromacy



Original Color

15.7807, 8.1289, 1.0245

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.3492, 3.4876, 2.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7807, 8.1289, 1.0245 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 15.7807, 8.1289, 1.0245 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, 10) }
```


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

```
.border{ border-color:rgb(166, 0, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7807, 8.1289, 1.0245 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, 10) }
```

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

```
.background{ background-color: rgb(166, 0,  
10) }
```

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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