

Converting Colors

XYZ(15.7490, 8.1102, 1.1308)

Have a look what the booklet for
XYZ(15.7490, 8.1102, 1.1308)
contains.

XYZ(15.7985, 8.1360, 1.1185)	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(15.7985, 8.1360,
1.1185)**

Conversions

Conversions Part 1

Format	Color
Hex	A6000D
RGB	166, 0, 13
RGB Percent	65%, 0%, 5%
CMY	0.3490, 0.9999, 0.9490
CMYK	0.00, 1.00, 0.92, 0.35
HSL	355°, 100%, 33%
HSV	355°, 100%, 65%
XYZ	15.7985, 8.1360, 1.1185
YIQ	51.1160, 94.7630, 39.2350

Conversions

Conversions Part 2

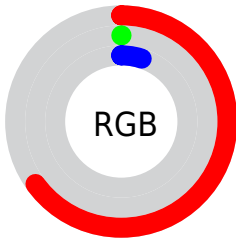
Format	Color
RYB	166, 0, 13
Decimal	10878989
CIELab	34.26, 58.26, 43.19
CIElCh	34, 72.518, 36.550
Yxy	8.1360, 0.6306, 0.3248
Android (android.graphics.Color)	4289069069 (0xFFA6000D)
YUV	51.1160, -18.7912, 100.7533
Hunter-Lab	28.5237, 48.9499, 17.6416

Details

The XYZ color **15.7985, 8.1360, 1.1185** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.3882, 29.5731, 34.8337**, and the grayscale version is **3.1751, 3.3404, 3.6377**.

A 20% lighter version of the original color is **35.6613, 22.1324, 6.3954**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7983, 8.1359, 1.1177**, and if you desaturate by 10%, it is **16.1337, 8.5816, 1.9238**.

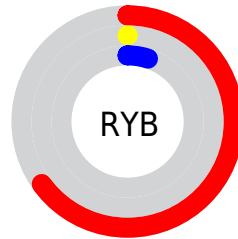
Distribution



Red (65%)

Green (0%)

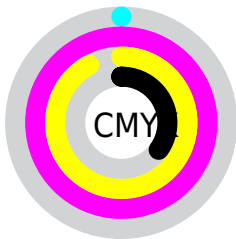
Blue (5%)



Red (65%)

Yellow (0%)

Blue (5%)

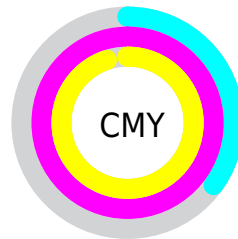


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (35%)



Cyan (35%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7985, 8.1360, 1.1185 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 15.7985, 8.1360, 1.1185 by changing the saturation by 10% instead.


 15.7985, 8.1360,
1.1185


 15.7985, 8.1360,
1.1185


 221.4436,
176.7949, 106.6913


 9.4716, 4.1821,
0.0000


 35.8083, 22.2246,
6.4487


 5.1096, 1.7759,
0.0000

 50.2220, 33.1281,
11.7433


 2.3471, 0.4721,
0.0000

 68.0619, 47.1170,
19.3489

 0.8186, 0.0000,
0.0000


 89.6935, 64.5755,
29.6841


 0.0000, 0.0000,
0.0000


 115.4821, 85.8882,
43.1674

 145.7931,


111.4394, 60.2173


 180.9918,
141.6135, 81.2525


 15.7985, 8.1360,
1.1185


 15.7985, 8.1360,
1.1185

 15.7983, 8.1359,
1.1177

 16.1337, 8.5816,
1.9238

 16.7231, 9.3861,
3.2744

 17.6459, 10.6880,
5.2580

 18.9420, 12.5504,
7.9397

 20.6456, 15.0271,
11.3766

■ 22.7872, 18.1655,
15.6197

■ 25.3943, 22.0084,
20.7158

■ 28.4919, 26.5950,
26.7080

■ 32.1037, 31.9617,
33.6363

Harmonies

Analogous

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



18.2969, 8.1360, 6.5563



15.7985, 8.1360, 1.1185



11.2529, 8.1360, 0.0000

Triad

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



15.7985, 8.1360, 1.1185



2.5729, 8.1360, 2.6289



8.6531, 8.1360, 54.4077

Complementary

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



15.7985, 8.1360, 1.1185



19.3882, 29.5731, 34.8337

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.



5.0363, 8.1360, 48.9298



15.7985, 8.1360, 1.1185



2.2996, 8.1360, 11.6455

Square

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



15.7985, 8.1360, 1.1185



3.9693, 8.1360, 0.0574



3.0221, 8.1360, 29.7982



13.3403, 8.1360, 41.4233

Rectangle

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



15.7985, 8.1360, 1.1185



8.2097, 8.1360, 0.0000



3.0221, 8.1360, 29.7982



7.2751, 8.1360, 54.7602

Sweetspot

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



15.7987, 8.1365, 1.1186



45.7941, 39.5085, 37.0249



19.8635, 9.4453, 36.8523



9.7994, 8.1795, 7.4113



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.



15.7987, 8.1365, 1.1186



28.6418, 14.7537, 1.8662



17.8652, 12.3855, 1.4498



7.5540, 7.5515, 7.9687



12.2584, 6.3121, 0.9062



0.3054, 0.1564, 0.0599

Inverse Universe

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



15.7987, 8.1365, 1.1186



28.6418, 14.7537, 1.8662



11.1434, 11.2738, 37.6648



7.5540, 7.5515, 7.9687



12.2584, 6.3121, 0.9062



0.3054, 0.1564, 0.0599

Previews

White Background



This preview shows how the XYZ color 15.7985, 8.1360, 1.1185 looks on a white background.

Color Contrast Check

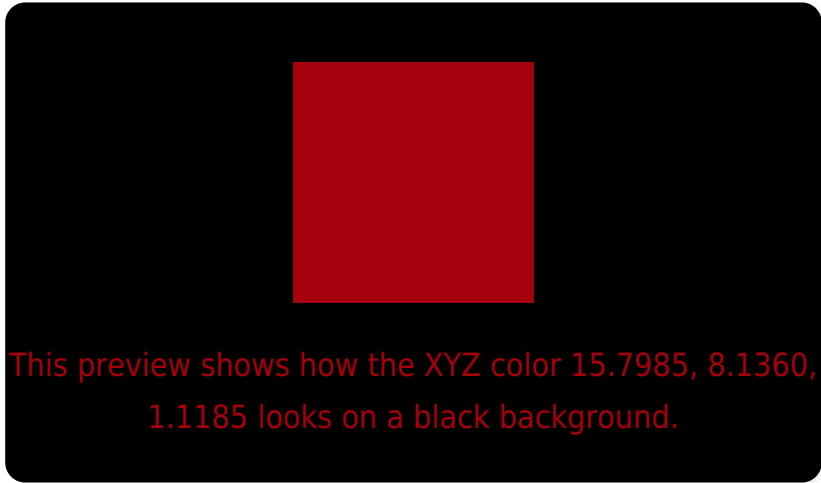
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7985, 8.1360, 1.1185

Background



This preview shows how black text looks on a background with the XYZ color 15.7985, 8.1360, 1.1185.



This preview shows how white text looks on a background with the XYZ color 15.7985, 8.1360,

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

15.7985, 8.1360, 1.1185

Protanopia

7.9960, 8.8042, 2.3765

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.7985, 8.1360, 1.1185

Protanomaly

9.1735, 6.6011, 1.6013

Deuteranomaly

10.1133, 6.9678, 0.9555

Tritanomaly

15.6530, 8.2274, 0.9066

Monochromacy



Original Color

15.7985, 8.1360, 1.1185

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.3646, 3.4938, 2.1419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7985, 8.1360, 1.1185 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 15.7985, 8.1360, 1.1185 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, 13) }
```


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

```
.border{ border-color:rgb(166, 0, 13) }
```

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, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7985, 8.1360, 1.1185 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, 13) }
```

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

```
.background{ background-color: rgb(166, 0,  
13) }
```

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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