

Converting Colors

XYZ(13.1713, 6.7861, 0.7959)

Have a look what the booklet for
XYZ(13.1713, 6.7861, 0.7959)
contains.

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Color

**XYZ(13.1697, 6.7855,
0.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	990006
RGB	153, 0, 6
RGB Percent	60%, 0%, 2%
CMY	0.4000, 0.9999, 0.9765
CMYK	0.00, 1.00, 0.96, 0.40
HSL	358°, 100%, 30%
HSV	358°, 100%, 60%
XYZ	13.1697, 6.7855, 0.7879
YIQ	46.4310, 89.2620, 34.3020

Conversions

Conversions Part 2

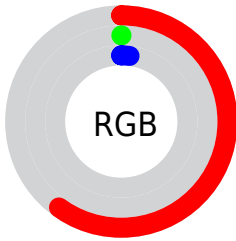
Format	Color
R_{YB}	153, 0, 6
Decimal	10027014
CIE Lab	31.31, 54.79, 42.72
CIE LCh	31, 69.479, 37.941
Yxy	6.7855, 0.6349, 0.3271
Android (android.graphics.Color)	4288217094 (0xFF990006)
YUV	46.4310, -19.9325, 93.4610
Hunter-Lab	26.0490, 44.6593, 16.4410

Details

The XYZ color **13.1697, 6.7855, 0.7879** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.6599, 24.8897, 31.5405**, and the grayscale version is **2.6570, 2.7954, 3.0442**.

A 20% lighter version of the original color is **31.3213, 19.6120, 5.3835**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.1694, 6.7853, 0.7871**, and if you desaturate by 10%, it is **13.4448, 7.1762, 1.3716**.

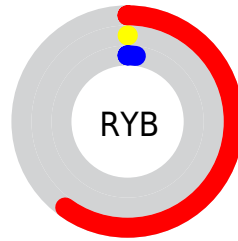
Distribution



Red (60%)

Green (0%)

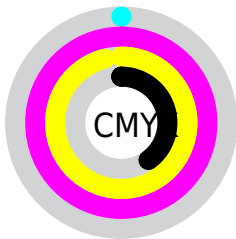
Blue (2%)



Red (60%)

Yellow (0%)

Blue (2%)

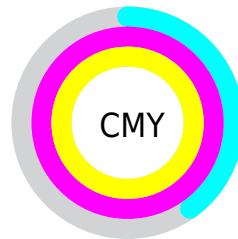


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (40%)



Cyan (40%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1697, 6.7855, 0.7879 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 13.1697, 6.7855, 0.7879 by changing the saturation by 10% instead.


 13.1697, 6.7855,
0.7879


 13.1697, 6.7855,
0.7879


 205.6181,
165.8693, 99.4181


 7.6233, 3.3283,
0.0000


 31.2070, 19.5404,
5.3687


 3.9046, 1.3054,
0.0000

 44.4287, 29.6069,
10.1150


 1.6483, 0.1454,
0.0000

 60.9395, 42.6452,
17.0602

 0.4236, 0.0000,
0.0000


 81.1048, 59.0399,
26.6228


 0.0000, 0.0000,
0.0000


 105.2900, 79.1752,
39.2214

 133.8603,


103.4357, 55.2744

 167.1813,
132.2055, 75.2004


 13.1697, 6.7855,
0.7879


 13.1697, 6.7855,
0.7879


 13.1694, 6.7853,
0.7871

 13.4448, 7.1762,
1.3716

 13.9264, 7.8566,
2.4043

 14.6889, 8.9517,
3.9835

 15.7662, 10.5134,
6.1705

 17.1875, 12.5859,
9.0188

■ 18.9788, 15.2085,
12.5755

■ 21.1634, 18.4163,
16.8840

■ 23.7627, 22.2418,
21.9837

■ 26.7967, 26.7150,
27.9115

Harmonies

Analogous

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



15.4285, 6.7855, 5.0750



13.1697, 6.7855, 0.7879



9.2552, 6.7855, 0.0000

Triad

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



13.1697, 6.7855, 0.7879



2.0662, 6.7855, 2.3245



7.4036, 6.7855, 46.2919

Complementary

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



13.1697, 6.7855, 0.7879



16.6599, 24.8897, 31.5405

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.



4.2771, 6.7855, 42.3293



13.1697, 6.7855, 0.7879



1.8760, 6.7855, 10.3153

Square

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



13.1697, 6.7855, 0.7879



3.1862, 6.7855, 0.0000



2.5226, 6.7855, 26.1350



11.4106, 6.7855, 34.5156

Rectangle

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



13.1697, 6.7855, 0.7879



6.6891, 6.7855, 0.0000



2.5226, 6.7855, 26.1350



6.2155, 6.7855, 46.8681

Sweetspot

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



13.1698, 6.7859, 0.7880



37.6421, 32.6002, 29.7268



17.4889, 8.3521, 30.8269



7.9640, 6.6875, 5.8791



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1698, 6.7859, 0.7880



23.5692, 12.1455, 1.3251



15.2566, 11.0118, 1.3222



6.2181, 6.2264, 6.5285



10.8874, 5.6092, 0.6661



0.1650, 0.0848, 0.0220

Inverse Universe

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



13.1698, 6.7859, 0.7880



23.5692, 12.1455, 1.3251



8.9329, 8.6658, 31.3384



6.2181, 6.2264, 6.5285



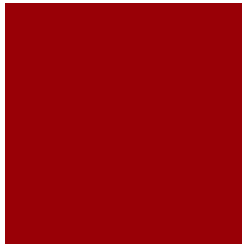
10.8874, 5.6092, 0.6661



0.1650, 0.0848, 0.0220

Previews

White Background



This preview shows how the XYZ color 13.1697, 6.7855, 0.7879 looks on a white background.

Color Contrast Check

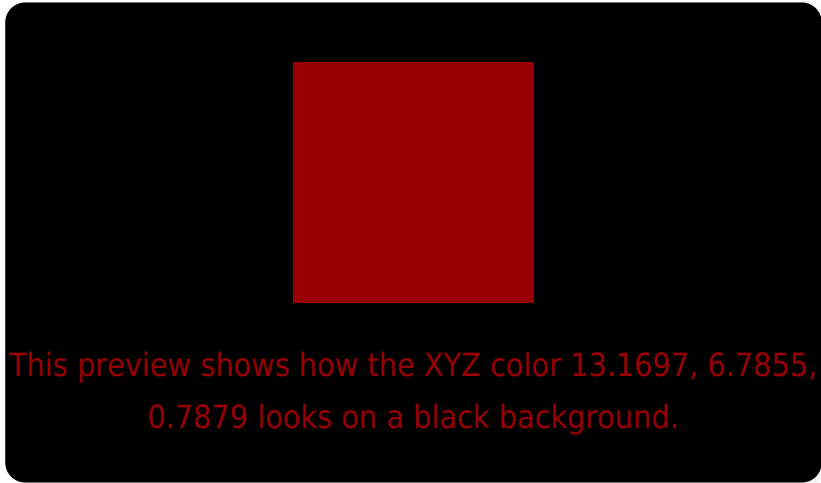
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1697, 6.7855, 0.7879

Background



This preview shows how black text looks on a background with the XYZ color 13.1697, 6.7855, 0.7879.



This preview shows how white text looks on a background with the XYZ color 13.1697, 6.7855,

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

13.1697, 6.7855, 0.7879

Protanopia

6.7197, 7.3881, 1.7814

Deuteranopia

7.3123, 7.3065, 1.0249



Tritanopia

13.1059, 6.9895, 0.6583

Trichromacy



Original Color

13.1697, 6.7855, 0.7879

Protanomaly

7.7474, 5.6135, 1.1654

Deuteranomaly

8.3241, 5.7403, 0.7267

Tritanomaly

13.0575, 6.8752, 0.6963

Monochromacy



Original Color

13.1697, 6.7855, 0.7879

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.4330, 2.9090, 1.6242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1697, 6.7855, 0.7879 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(153, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 6)  
}
```

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(153, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 6) }
```

Border

The CSS property to change the border of an element to XYZ 13.1697, 6.7855, 0.7879 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(153, 0, 6) }
```


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

```
.border{ border-color:rgb(153, 0, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(153, 0, 6); box-shadow:4px  
4px 4px 4px rgb(153, 0, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1697, 6.7855, 0.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 6) }
```

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

```
.background{ background-color: rgb(153, 0,  
6) }
```

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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