

Converting Colors

XYZ(13.7445, 7.2634, 0.0000)

Have a look what the booklet for
XYZ(13.7445, 7.2634, 0.0000)
contains.

XYZ(13.8188, 7.2850, 0.6778)	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(13.8188, 7.2850,
0.6778)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0A00
RGB	156, 10, 0
RGB Percent	61%, 4%, 0%
CMY	0.3882, 0.9607, 1.0000
CMYK	0.00, 0.94, 1.00, 0.39
HSL	4°, 100%, 31%
HSV	4°, 100%, 61%
XYZ	13.8188, 7.2850, 0.6778
YIQ	52.5140, 90.2260, 27.8420

Conversions

Conversions Part 2

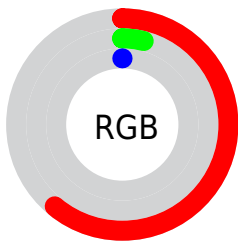
Format	Color
RYB	156, 11, 0
Decimal	10226176
CIELab	32.45, 54.09, 46.25
CIElCh	32, 71.167, 40.531
Yxy	7.2850, 0.6344, 0.3345
Android (android.graphics.Color)	4288416256 (0xFF9C0A00)
YUV	52.5140, -25.8894, 90.7572
Hunter-Lab	26.9907, 44.1552, 17.4046

Details

The XYZ color **13.8188, 7.2850, 0.6778** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.2755, 22.9500, 35.0241**, and the grayscale version is **3.3494, 3.5239, 3.8375**.

A 20% lighter version of the original color is **32.4008, 20.5812, 5.0612**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.8190, 7.2855, 0.6779**, and if you desaturate by 10%, it is **14.1403, 7.7833, 1.2317**.

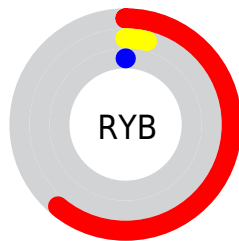
Distribution



Red (61%)

Green (4%)

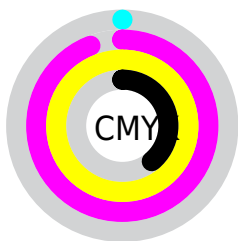
Blue (0%)



Red (61%)

Yellow (4%)

Blue (0%)

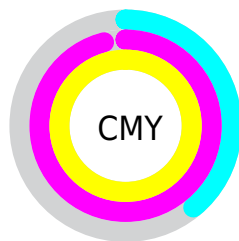


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (96%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8188, 7.2850, 0.6778 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 13.8188, 7.2850, 0.6778 by changing the saturation by 10% instead.


 13.8188, 7.2850,
0.6778


 13.8188, 7.2850,
0.6778


 209.6339,
170.0113, 97.0169


 8.0756, 3.6410,
0.0000

 32.3561, 20.5443,
5.0302


 4.1956, 1.4748,
0.0000

 45.8810, 30.9284,
9.5966

 1.8134, 0.2709,
0.0000

 62.7304, 44.3279,
16.3236

 0.5257, 0.0000,
0.0000


 83.2698, 61.1273,
25.6297

 0.0000, 0.0000,
0.0000

 107.8645, 81.7109,
37.9336


 136.8798,


106.4632, 53.6537


 170.6812,
135.7685, 73.2087


 13.8188, 7.2850,
0.6778


 13.8188, 7.2850,
0.6778


 13.8190, 7.2855,
0.6779

 14.1403, 7.7833,
1.2317

 14.6929, 8.6334,
2.2022

 15.5299, 9.8928,
3.7592

 16.6830, 11.6046,
5.9758

 18.1795, 13.8063,
8.9144

■ 20.0438, 16.5313,
12.6301

■ 22.2982, 19.8103,
17.1729

■ 24.9631, 23.6717,
22.5883

■ 28.0575, 28.1416,
28.9187

Harmonies

Analogous

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



16.4766, 7.2850, 4.7737



13.8188, 7.2850, 0.6778



9.5618, 7.2850, 0.0000

Triad

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



13.8188, 7.2850, 0.6778



2.1646, 7.2850, 2.9120



8.3003, 7.2850, 49.2236

Complementary

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



13.8188, 7.2850, 0.6778



16.2755, 22.9500, 35.0241

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.



4.8226, 7.2850, 46.5135



13.8188, 7.2850, 0.6778



2.0357, 7.2850, 12.2446

Square

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



13.8188, 7.2850, 0.6778



3.2673, 7.2850, 0.1295



2.8170, 7.2850, 29.7490



12.6188, 7.2850, 35.4743

Rectangle

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



13.8188, 7.2850, 0.6778



6.8588, 7.2850, 0.0000



2.8170, 7.2850, 29.7490



6.9900, 7.2850, 50.3829

Sweetspot

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



13.8190, 7.2855, 0.6779



40.2369, 35.5990, 30.6578



19.0712, 9.2123, 28.8727



8.4872, 7.3005, 6.0055



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.8190, 7.2855, 0.6779



25.0472, 13.1280, 1.2138



17.0219, 13.6914, 1.7456



6.6656, 6.7112, 6.9297



11.3927, 6.0210, 0.5617



0.2126, 0.1254, 0.0130

Inverse Universe

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



16.2755, 22.9500, 35.0241



29.5059, 41.5732, 63.5961



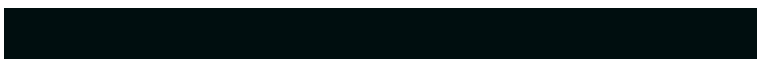
8.2033, 6.8056, 32.3334



6.7853, 7.4364, 8.4844



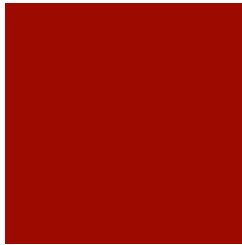
13.4159, 18.9233, 28.8527



0.2497, 0.3580, 0.5192

Previews

White Background



This preview shows how the XYZ color 13.8188, 7.2850, 0.6778 looks on a white background.

Color Contrast Check

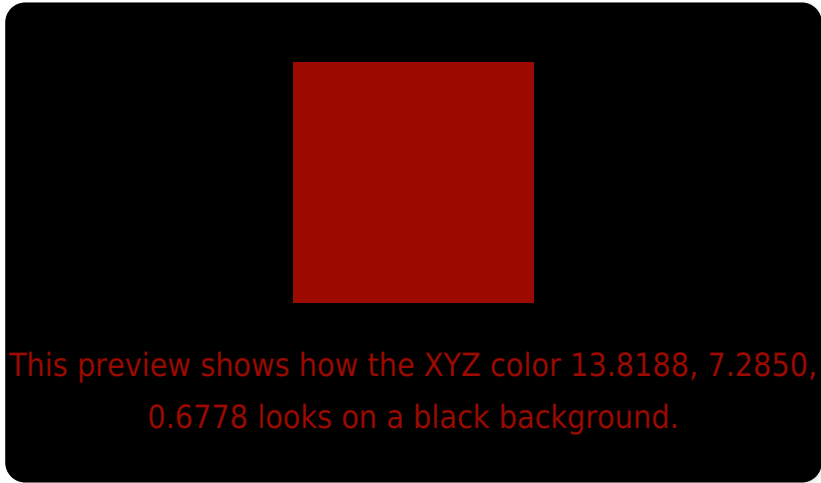
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8188, 7.2850, 0.6778

Background



This preview shows how black text looks on a background with the XYZ color 13.8188, 7.2850, 0.6778.



This preview shows how white text looks on a background with the XYZ color 13.8188, 7.2850,

0.6778.

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

13.8188, 7.2850, 0.6778

Protanopia

7.0421, 7.7663, 1.7897

Deuteranopia

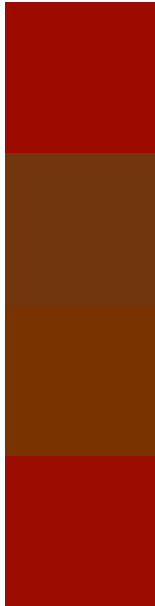
7.6617, 7.6848, 1.0795



Tritanopia

13.6746, 7.2826, 0.6850

Trichromacy



Original Color

13.8188, 7.2850, 0.6778

Protanomaly

8.2019, 6.1781, 1.1410

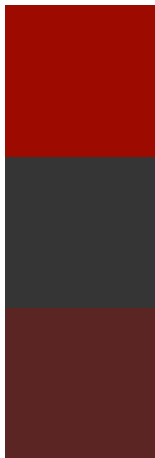
Deuteranomaly

8.9296, 6.3607, 0.7571

Tritanomaly

13.6615, 7.2564, 0.6806

Monochromacy



Original Color

13.8188, 7.2850, 0.6778

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.1668, 3.6123, 1.9383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8188, 7.2850, 0.6778 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(156, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 10, 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(156, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 10, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8188, 7.2850, 0.6778 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(156, 10, 0) }
```


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

```
.border{ border-color:rgb(156, 10, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 10, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 10, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8188, 7.2850, 0.6778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 10, 0) }
```

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

```
.background{ background-color: rgb(156, 10,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor