

Converting Colors

XYZ(13.6887, 7.7207, 0.0000)

Have a look what the booklet for
XYZ(13.6887, 7.7207, 0.0000)
contains.

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Color

**XYZ(13.7658, 7.7488,
0.7701)**

Conversions

Conversions Part 1

Format	Color
Hex	9A1D00
RGB	154, 29, 0
RGB Percent	60%, 11%, 0%
CMY	0.3961, 0.8862, 1.0000
CMYK	0.00, 0.81, 1.00, 0.40
HSL	11°, 100%, 30%
HSV	11°, 100%, 60%
XYZ	13.7658, 7.7488, 0.7701
YIQ	63.0690, 83.8090, 17.4810

Conversions

Conversions Part 2

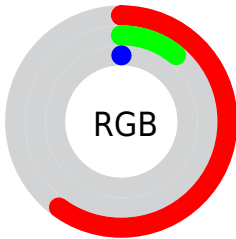
Format	Color
RYB	154, 36, 0
Decimal	10099968
CIELab	33.45, 49.41, 46.66
CIElCh	33, 67.965, 43.361
Yxy	7.7488, 0.6177, 0.3477
Android (android.graphics.Color)	4288290048 (0xFF9A1D00)
YUV	63.0690, -31.0930, 79.7465
Hunter-Lab	27.8367, 39.5577, 17.8454

Details

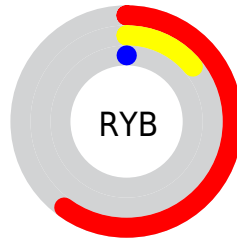
The XYZ color **13.7658, 7.7488, 0.7701** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.1647, 16.9971, 33.1585**, and the grayscale version is **4.7714, 5.0199, 5.4667**.

A 20% lighter version of the original color is **32.2011, 21.4763, 5.3539**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.7660, 7.7493, 0.7702**, and if you desaturate by 10%, it is **14.2261, 8.5270, 1.3631**.

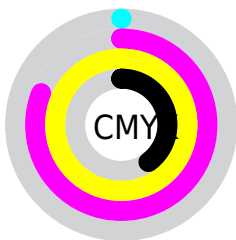
Distribution



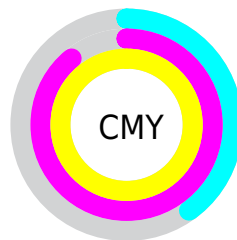
- Red (60%)
- Green (11%)
- Blue (0%)



- Red (60%)
- Yellow (14%)
- Blue (0%)



- Cyan (0%)
- Magenta (81%)
- Yellow (100%)
- Black (40%)




- Cyan (40%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7658, 7.7488, 0.7701 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 13.7658, 7.7488, 0.7701 by changing the saturation by 10% instead.


 13.7658, 7.7488,
0.7701


 13.7658, 7.7488,
0.7701


 209.3089,
173.7482, 99.0272


 8.0386, 3.9346,
0.0000


 32.2626, 21.4645,
5.3130


 4.1716, 1.6371,
0.0000

 45.7630, 32.1348,
10.0300


 1.7997, 0.3824,
0.0000

 62.5850, 45.8593,
16.9397

 0.5175, 0.0000,
0.0000


 83.0942, 63.0224,
26.4606

 0.0000, 0.0000,
0.0000


 107.6558, 84.0084,
39.0112


 136.6352,

109.2018, 55.0102

 170.3978,
138.9870, 74.8760


 13.7658, 7.7488,
0.7701


 13.7658, 7.7488,
0.7701


 13.7660, 7.7493,
0.7702

 14.2261, 8.5270,
1.3631

 14.8906, 9.6071,
2.3521

 15.8014, 11.0249,
3.9007

 16.9813, 12.8064,
6.0769

 18.4503, 14.9747,
8.9391

■ 20.2264, 17.5512,
12.5387

■ 22.3260, 20.5555,
16.9224

■ 24.7645, 24.0060,
22.1328

■ 27.5561, 27.9201,
28.2097

Harmonies

Analogous

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



16.5651, 7.7488, 4.5808



13.7658, 7.7488, 0.7701



9.5719, 7.7488, 0.0000

Triad

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



13.7658, 7.7488, 0.7701



2.4672, 7.7488, 3.8784



9.1159, 7.7488, 47.2249

Complementary

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



13.7658, 7.7488, 0.7701



13.1647, 16.9971, 33.1585

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.



5.5264, 7.7488, 46.2896



13.7658, 7.7488, 0.7701



2.4173, 7.7488, 14.0111

Square

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



13.7658, 7.7488, 0.7701



3.5097, 7.7488, 0.5779



3.3387, 7.7488, 31.2539



13.3380, 7.7488, 33.2483

Rectangle

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



13.7658, 7.7488, 0.7701



6.9596, 7.7488, 0.0000



3.3387, 7.7488, 31.2539



7.7858, 7.7488, 48.8555

Sweetspot

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



13.7660, 7.7493, 0.7702



40.3107, 36.9902, 30.2204



17.0771, 8.3703, 20.3752



8.7719, 7.8700, 6.1004



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.



13.7660, 7.7493, 0.7702



24.9001, 13.8631, 1.3635



18.4016, 17.0206, 2.3154



6.2983, 6.4017, 6.5095



11.2362, 6.3548, 0.6344



0.1884, 0.1358, 0.0163

Inverse Universe

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



13.1647, 16.9971, 33.1585



23.7816, 30.6101, 60.1912



6.9213, 4.5102, 31.0773



6.2856, 6.8287, 7.9157



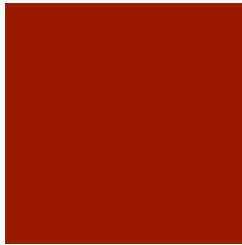
10.7500, 13.8967, 27.0235



0.1834, 0.2531, 0.4116

Previews

White Background



This preview shows how the XYZ color 13.7658, 7.7488, 0.7701 looks on a white background.

Color Contrast Check

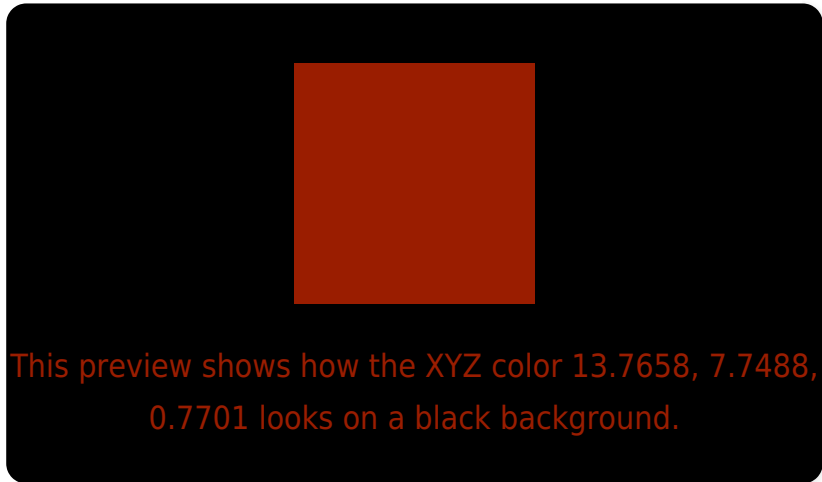
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7658, 7.7488, 0.7701

Background



This preview shows how black text looks on a background with the XYZ color 13.7658, 7.7488, 0.7701.



This preview shows how white text looks on a background with the XYZ color 13.7658, 7.7488,

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

13.7658, 7.7488, 0.7701

Protanopia

7.2764, 8.1055, 1.7971

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

13.9162, 7.7330, 1.7961

Trichromacy



Original Color

13.7658, 7.7488, 0.7701

Protanomaly

8.5990, 6.9825, 1.2424

Deuteranomaly

9.3097, 7.1210, 0.8838

Tritanomaly

13.8429, 7.7410, 1.2949

Monochromacy



Original Color

13.7658, 7.7488, 0.7701

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.3907, 5.0077, 2.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7658, 7.7488, 0.7701 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(154, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 29, 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(154, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7658, 7.7488, 0.7701 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(154, 29, 0) }
```


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

```
.border{ border-color:rgb(154, 29, 0) }
```

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

Here you see how a box with a 4 pixel rgb(154, 29, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 29, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7658, 7.7488, 0.7701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 29, 0) }
```

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

```
.background{ background-color: rgb(154, 29,  
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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