

Converting Colors

XYZ(13.6780, 7.8547, 0.7952)

Have a look what the booklet for
XYZ(13.6780, 7.8547, 0.7952)
contains.

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Color

**XYZ(13.6807, 7.8600,
0.7961)**

Conversions

Conversions Part 1

Format	Color
Hex	992100
RGB	153, 33, 0
RGB Percent	60%, 13%, 0%
CMY	0.4000, 0.8706, 1.0000
CMYK	0.00, 0.78, 1.00, 0.40
HSL	13°, 100%, 30%
HSV	13°, 100%, 60%
XYZ	13.6807, 7.8600, 0.7961
YIQ	65.1180, 82.1130, 15.1770

Conversions

Conversions Part 2

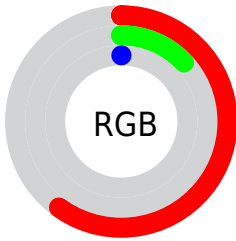
Format	Color
R_{YB}	153, 42, 0
Decimal	10035456
CIE _{Lab}	33.69, 47.86, 46.70
CIE _{LCh}	34, 66.865, 44.299
Yxy	7.8600, 0.6125, 0.3519
Android (android.graphics.Color)	4288225536 (0xFF992100)
YUV	65.1180, -32.1032, 77.0725
Hunter-Lab	28.0357, 38.0410, 17.9414

Details

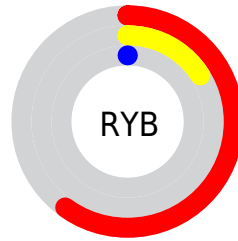
The XYZ color **13.6807, 7.8600, 0.7961** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **12.4652, 15.7308, 32.5160**, and the grayscale version is **5.0819, 5.3466, 5.8224**.

A 20% lighter version of the original color is **32.0684, 21.6483, 5.3941**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.6808, 7.8604, 0.7962**, and if you desaturate by 10%, it is **14.1638, 8.6850, 1.3932**.

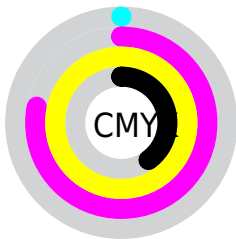
Distribution



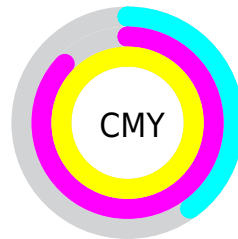
- Red (60%)
- Green (13%)
- Blue (0%)



- Red (60%)
- Yellow (16%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (40%)




- Cyan (40%)
- Magenta (87%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6807, 7.8600, 0.7961 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 13.6807, 7.8600, 0.7961 by changing the saturation by 10% instead.


 13.6807, 7.8600,
0.7961


 13.6807, 7.8600,
0.7961


 208.7859,
174.6298, 99.5985


 7.9791, 4.0055,
0.0000


 32.1124, 21.6835,
5.3945


 4.1333, 1.6766,
0.0000

 45.5733, 32.4213,
10.1544


 1.7778, 0.4085,
0.0000

 62.3513, 46.2224,
17.1160

 0.5043, 0.0000,
0.0000

 82.8118, 63.4710,
26.6978


 0.0000, 0.0000,
0.0000

 107.3201, 84.5517,
39.3184


 136.2417,


109.8488, 55.3964


 169.9419,
139.7467, 75.3502


 13.6807, 7.8600,
0.7961


 13.6807, 7.8600,
0.7961


 13.6808, 7.8604,
0.7962

 14.1638, 8.6850,
1.3932

 14.8423, 9.7961,
2.3775

 15.7565, 11.2258,
3.9109

 16.9274, 12.9971,
6.0599

 18.3735, 15.1306,
8.8813

■ 20.1118, 17.6455,
12.4256

■ 22.1576, 20.5593,
16.7384

■ 24.5251, 23.8885,
21.8613

■ 27.2277, 27.6488,
27.8331

Harmonies

Analogous

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



16.5088, 7.8600, 4.5018



13.6807, 7.8600, 0.7961



9.5287, 7.8600, 0.0000

Triad

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



13.6807, 7.8600, 0.7961



2.5565, 7.8600, 4.2001



9.3354, 7.8600, 46.3641

Complementary

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



13.6807, 7.8600, 0.7961



12.4652, 15.7308, 32.5160

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.



5.7326, 7.8600, 45.9735



13.6807, 7.8600, 0.7961



2.5349, 7.8600, 14.5225

Square

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



13.6807, 7.8600, 0.7961



3.5721, 7.8600, 0.7152



3.4985, 7.8600, 31.5676



13.5002, 7.8600, 32.4030

Rectangle

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



13.6807, 7.8600, 0.7961



6.9584, 7.8600, 0.0000



3.4985, 7.8600, 31.5676



8.0075, 7.8600, 48.1269

Sweetspot

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



13.6809, 7.8605, 0.7962



39.4487, 36.4893, 29.4783



16.6744, 8.1873, 19.2440



8.3873, 7.5982, 5.8227



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.



13.6809, 7.8605, 0.7962



24.3873, 13.8497, 1.3879



18.4049, 17.3085, 2.3709



6.3115, 6.4281, 6.5139



11.3282, 6.5388, 0.6651



0.1922, 0.1434, 0.0175

Inverse Universe

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



12.4652, 15.7308, 32.5160



22.1838, 27.8922, 58.1865



6.7229, 4.2462, 30.6019



6.2715, 6.8003, 7.9110



10.3272, 13.0510, 26.8825



0.1796, 0.2455, 0.4103

Previews

White Background



This preview shows how the XYZ color 13.6807, 7.8600, 0.7961 looks on a white background.

Color Contrast Check

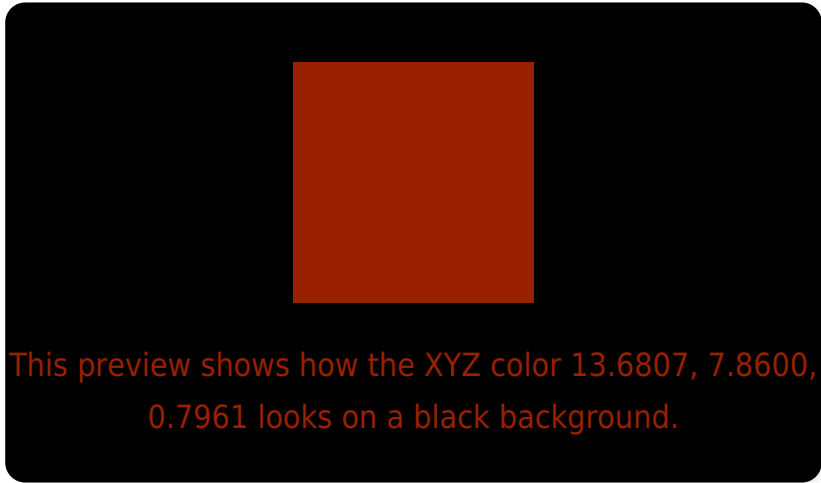
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6807, 7.8600, 0.7961

Background



This preview shows how black text looks on a background with the XYZ color 13.6807, 7.8600, 0.7961.



This preview shows how white text looks on a background with the XYZ color 13.6807, 7.8600,

0.7961.

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

13.6807, 7.8600, 0.7961

Protanopia

7.3660, 8.1527, 1.7577

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

13.8742, 7.8512, 2.0805

Trichromacy



Original Color

13.6807, 7.8600, 0.7961

Protanomaly

8.8332, 7.2684, 1.2540

Deuteranomaly

9.5539, 7.4024, 0.9253

Tritanomaly

13.7796, 7.8558, 1.4519

Monochromacy



Original Color

13.6807, 7.8600, 0.7961

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.6031, 5.2477, 2.7627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6807, 7.8600, 0.7961 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, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 33, 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(153, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6807, 7.8600, 0.7961 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, 33, 0) }
```


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

```
.border{ border-color:rgb(153, 33, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6807, 7.8600, 0.7961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 33, 0) }
```

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

```
.background{ background-color: rgb(153, 33,  
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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