

Converting Colors

XYZ(13.6475, 7.7937, 0.7850)

Have a look what the booklet for
XYZ(13.6475, 7.7937, 0.7850)
contains.

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Color

**XYZ(13.6534, 7.8053,
0.7870)**

Conversions

Conversions Part 1

Format	Color
Hex	992000
RGB	153, 32, 0
RGB Percent	60%, 13%, 0%
CMY	0.4000, 0.8745, 1.0000
CMYK	0.00, 0.79, 1.00, 0.40
HSL	13°, 100%, 30%
HSV	13°, 100%, 60%
XYZ	13.6534, 7.8053, 0.7870
YIQ	64.5310, 82.3880, 15.7000

Conversions

Conversions Part 2

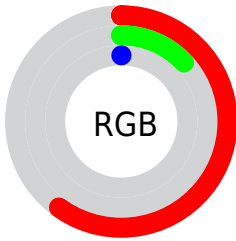
Format	Color
R_{YB}	153, 40, 0
Decimal	10035200
CIE Lab	33.57, 48.18, 46.63
CIE LCh	34, 67.049, 44.063
Yxy	7.8053, 0.6138, 0.3509
Android (android.graphics.Color)	4288225280 (0xFF992000)
YUV	64.5310, -31.8138, 77.5873
Hunter-Lab	27.9380, 38.3422, 17.8864

Details

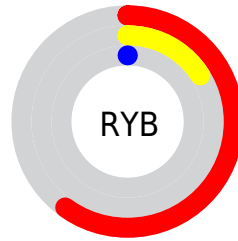
The XYZ color **13.6534, 7.8053, 0.7870** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **12.5863, 15.9730, 32.5565**, and the grayscale version is **4.9917, 5.2517, 5.7191**.

A 20% lighter version of the original color is **31.9869, 21.4852, 5.3669**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.6535, 7.8057, 0.7870**, and if you desaturate by 10%, it is **14.1299, 8.6171, 1.3818**.

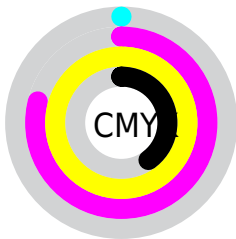
Distribution



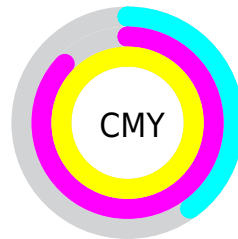
- Red (60%)
- Green (13%)
- Blue (0%)



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



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6534, 7.8053, 0.7870 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 13.6534, 7.8053, 0.7870 by changing the saturation by 10% instead.


 13.6534, 7.8053,
0.7870


 13.6534, 7.8053,
0.7870


 208.6179,
174.1968, 99.3983


 7.9601, 3.9706,
0.0000


 32.0642, 21.5759,
5.3659


 4.1210, 1.6571,
0.0000

 45.5124, 32.2805,
10.1107


 1.7708, 0.3957,
0.0000

 62.2762, 46.0440,
17.0541

 0.5000, 0.0000,
0.0000


 82.7211, 63.2506,
26.6146

 0.0000, 0.0000,
0.0000

 107.2123, 84.2848,
39.2107


 136.1153,


109.5310, 55.2610


 169.7954,
139.3735, 75.1840


 13.6534, 7.8053,
0.7870


 13.6534, 7.8053,
0.7870


 13.6535, 7.8057,
0.7870

 14.1299, 8.6171,
1.3818

 14.8032, 9.7176,
2.3645

 15.7137, 11.1402,
3.8967

 16.8830, 12.9083,
6.0452

 18.3299, 15.0432,
8.8669

■ 20.0713, 17.5643,
12.4123

■ 22.1228, 20.4896,
16.7270

■ 24.4990, 23.8361,
21.8528

■ 27.2132, 27.6196,
27.8286

Harmonies

Analogous

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



16.4641, 7.8053, 4.5062



13.6534, 7.8053, 0.7870



9.5062, 7.8053, 0.0000

Triad

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



13.6534, 7.8053, 0.7870



2.5259, 7.8053, 4.1050



9.2483, 7.8053, 46.4071

Complementary

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



13.6534, 7.8053, 0.7870



12.5863, 15.9730, 32.5565

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.



5.6617, 7.8053, 45.8842



13.6534, 7.8053, 0.7870



2.4972, 7.8053, 14.3439

Square

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



13.6534, 7.8053, 0.7870



3.5447, 7.8053, 0.6786



3.4470, 7.8053, 31.3761



13.4124, 7.8053, 32.4936

Rectangle

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



13.6534, 7.8053, 0.7870



6.9348, 7.8053, 0.0000



3.4470, 7.8053, 31.3761



7.9246, 7.8053, 48.1310

Sweetspot

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



13.6536, 7.8058, 0.7871



39.3854, 36.3626, 29.4572



16.6745, 8.1874, 19.2441



8.3723, 7.5682, 5.8177



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.



13.6536, 7.8058, 0.7871



24.3408, 13.7568, 1.3724



18.4050, 17.3086, 2.3709



6.3083, 6.4217, 6.5129



11.3051, 6.4927, 0.6574



0.1913, 0.1416, 0.0172

Inverse Universe

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



12.5863, 15.9730, 32.5565



22.4034, 28.3313, 58.2597



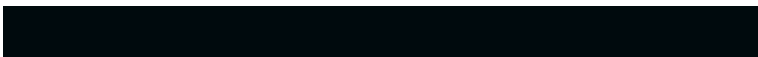
6.7229, 4.2462, 30.6021



6.2749, 6.8071, 7.9121



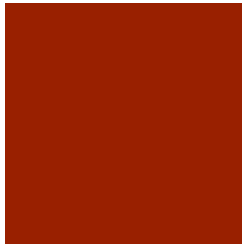
10.4267, 13.2501, 26.9157



0.1805, 0.2473, 0.4106

Previews

White Background



This preview shows how the XYZ color 13.6534, 7.8053, 0.7870 looks on a white background.

Color Contrast Check

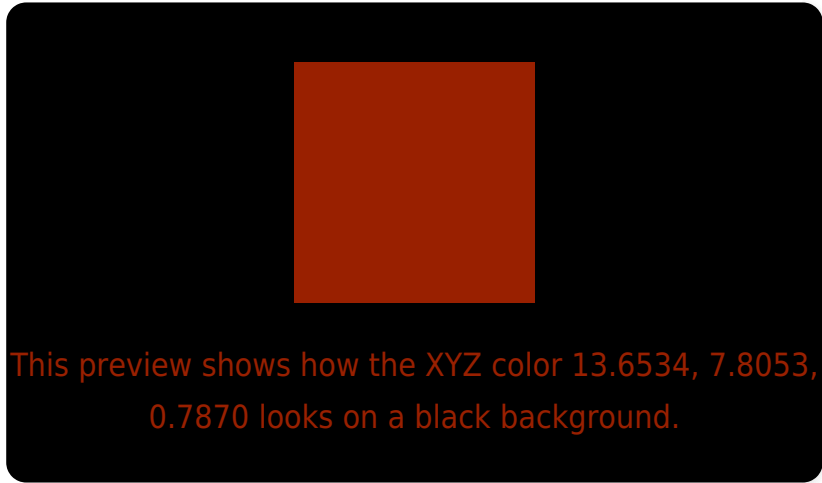
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6534, 7.8053, 0.7870

Background



This preview shows how black text looks on a background with the XYZ color 13.6534, 7.8053, 0.7870.



This preview shows how white text looks on a background with the XYZ color 13.6534, 7.8053,

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

13.6534, 7.8053, 0.7870

Protanopia

7.3660, 8.1527, 1.7577

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

13.8355, 7.7946, 2.0036

Trichromacy



Original Color

13.6534, 7.8053, 0.7870

Protanomaly

8.7773, 7.1566, 1.2354

Deuteranomaly

9.5539, 7.4024, 0.9253

Tritanomaly

13.7444, 7.7993, 1.3971

Monochromacy



Original Color

13.6534, 7.8053, 0.7870

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 13.6534, 7.8053, 0.7870 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, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 32, 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, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 32, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6534, 7.8053, 0.7870 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, 32, 0) }
```


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

```
.border{ border-color:rgb(153, 32, 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, 32, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 32, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 32, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 32, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6534, 7.8053, 0.7870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 32, 0) }
```

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

```
.background{ background-color: rgb(153, 32,  
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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