

Converting Colors

XYZ(13.3935, 9.7831, 1.7985)

Have a look what the booklet for
XYZ(13.3935, 9.7831, 1.7985)
contains.

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Color

**XYZ(13.3935, 9.7831,
1.7985)**

Conversions

Conversions Part 1

Format	Color
Hex	8F4213
RGB	143, 66, 19
RGB Percent	56%, 26%, 7%
CMY	0.4392, 0.7412, 0.9255
CMYK	0.00, 0.54, 0.87, 0.44
HSL	23°, 77%, 32%
HSV	23°, 87%, 56%
XYZ	13.3935, 9.7831, 1.7985
YIQ	83.6650, 60.9790, 1.7070

Conversions

Conversions Part 2

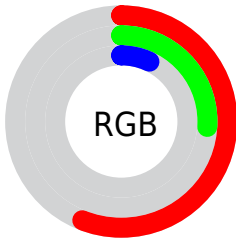
Format	Color
R_{YB}	143, 95, 19
Decimal	9388563
CIE Lab	37.45, 29.80, 41.22
CIE LCh	37, 50.864, 54.136
Yxy	9.7831, 0.5363, 0.3917
Android (android.graphics.Color)	4287578643 (0xFF8F4213)
YUV	83.6650, -31.8798, 52.0368
Hunter-Lab	31.2779, 21.6989, 18.4854

Details

The XYZ color **13.3935, 9.7831, 1.7985** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4091, 10.4867, 27.5148**, and the grayscale version is **8.4129, 8.8510, 9.6388**.

A 20% lighter version of the original color is **31.6156, 25.4526, 8.5567**, and **4.0541, 2.4110, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **12.8228, 8.7886, 1.1555**, and if you desaturate by 10%, it is **14.1146, 10.9676, 2.8341**.

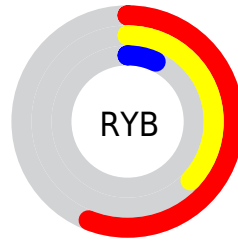
Distribution



Red (56%)

Green (26%)

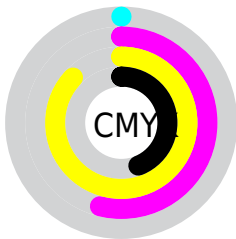
Blue (7%)



Red (56%)

Yellow (37%)

Blue (7%)

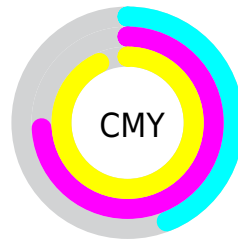


Cyan (0%)

Magenta (54%)

Yellow (87%)

Black (44%)



Cyan (44%)


Magenta (74%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3935, 9.7831, 1.7985 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 13.3935, 9.7831, 1.7985 by changing the saturation by 10% instead.


 13.3935, 9.7831,
1.7985


 13.3935, 9.7831,
1.7985


207.0114,
189.1169, 119.1650


 7.7789, 5.2554,
0.4270


 31.6043, 25.3867,
8.4822


 4.0044, 2.3979,
0.0000

 44.9312, 37.2314,
14.7251


 1.7046, 0.8248,
0.0000

 61.5596, 52.2839,
23.4601

 0.4592, 0.0000,
0.0000


 81.8548, 70.9286,
35.1057


 0.0000, 0.0000,
0.0000


 106.1823, 93.5498,
50.0804


 134.9073,


120.5320, 68.8029


 168.3952,
152.2596, 91.6916


 13.3935, 9.7831,
1.7985


 13.3935, 9.7831,
1.7985


 12.8228, 8.7886,
1.1555


 14.1146, 10.9676,
2.8341

 12.6564, 8.4972,
0.9731

 15.0050, 12.3538,
4.3470

 16.0775, 13.9525,
6.3890

 17.3437, 15.7733,
9.0047

 18.8139, 17.8251,
12.2341

■ 20.4976, 20.1161,
16.1136

■ 22.4036, 22.6542,
20.6766

■ 24.5404, 25.4468,
25.9543

■ 26.9158, 28.5012,
31.9759

Harmonies

Analogous

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



16.1272, 9.7831, 4.9452



13.3935, 9.7831, 1.7985



9.9421, 9.7831, 0.9768

Triad

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



13.3935, 9.7831, 1.7985



4.4191, 9.7831, 8.9498



12.0510, 9.7831, 36.2167

Complementary

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



13.3935, 9.7831, 1.7985



9.4091, 10.4867, 27.5148

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.



8.6834, 9.7831, 39.5944



13.3935, 9.7831, 1.7985



4.7346, 9.7831, 19.6146

Square

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



13.3935, 9.7831, 1.7985



5.1472, 9.7831, 3.3000



6.1370, 9.7831, 32.2931



15.2359, 9.7831, 24.6872

Rectangle

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



13.3935, 9.7831, 1.7985



7.8741, 9.7831, 1.0695



6.1370, 9.7831, 32.2931



10.8852, 9.7831, 38.5437

Sweetspot

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



13.3937, 9.7836, 1.7987



36.7604, 36.0953, 28.9800



13.7432, 7.1785, 12.1014



8.2066, 7.9760, 6.1234



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.3937, 9.7836, 1.7987



22.5117, 14.9090, 1.6912



18.9659, 20.9280, 3.6561



5.5660, 5.7382, 5.7036



11.2098, 7.5512, 0.8667



0.1272, 0.1123, 0.0150

Inverse Universe

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



9.4091, 10.4867, 27.5148



15.0768, 15.9474, 48.8215



5.8434, 3.3554, 26.3262



5.3908, 5.7774, 6.8598



7.5478, 8.0817, 24.1392



0.0935, 0.1199, 0.2379

Previews

White Background



This preview shows how the XYZ color 13.3935, 9.7831, 1.7985 looks on a white background.

Color Contrast Check

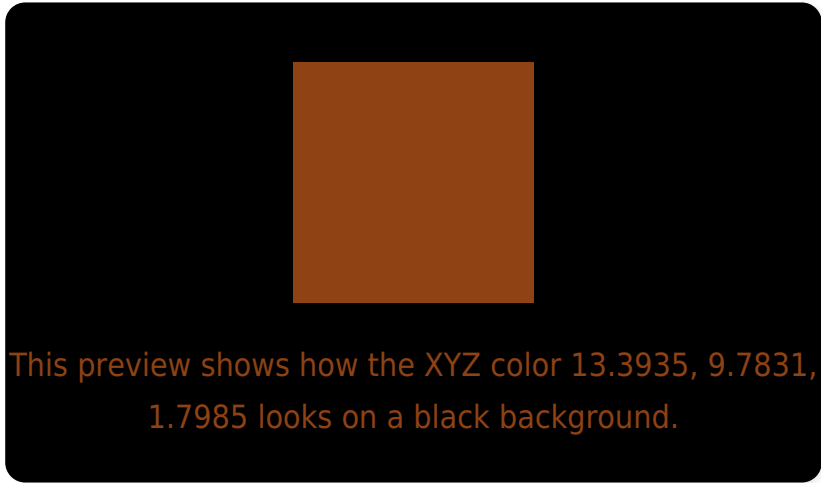
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3935, 9.7831, 1.7985

Background



This preview shows how black text looks on a background with the XYZ color 13.3935, 9.7831, 1.7985.



This preview shows how white text looks on a background with the XYZ color 13.3935, 9.7831,

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

13.3935, 9.7831, 1.7985

Protanopia

9.0034, 9.9243, 2.3607

Deuteranopia

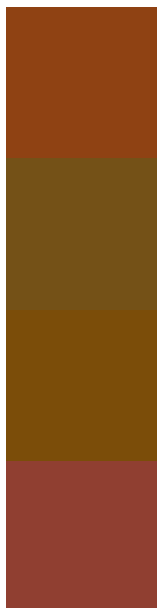
9.8743, 9.7942, 1.4849



Tritanopia

14.3830, 9.8583, 6.2990

Trichromacy



Original Color

13.3935, 9.7831, 1.7985

Protanomaly

10.2995, 9.6597, 2.1323

Deuteranomaly

10.8716, 9.5384, 1.5266

Tritanomaly

13.8335, 9.7061, 4.0501

Monochromacy



Original Color

13.3935, 9.7831, 1.7985

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.2952, 8.6373, 5.4522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3935, 9.7831, 1.7985 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(143, 66, 19)` looks like.

```
.text, #text, p{  
    color:rgb(143, 66, 19)  
}
```

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(143, 66, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 66, 19) }
```

Border

The CSS property to change the border of an element to XYZ 13.3935, 9.7831, 1.7985 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(143, 66, 19) }
```


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

```
.border{ border-color:rgb(143, 66, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 66, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 66, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 66, 19);  
box-shadow:4px 4px 4px 4px rgb(143, 66,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3935, 9.7831, 1.7985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 66, 19) }
```

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

```
.background{ background-color: rgb(143, 66,  
19) }
```

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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