

Converting Colors

XYZ(13.4690, 12.9307, 4.0037)

Have a look what the booklet for
XYZ(13.4690, 12.9307, 4.0037)
contains.

XYZ(13.5634, 13.0187, 3.9885)	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(13.5634, 13.0187,
3.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	815F2A
RGB	129, 95, 42
RGB Percent	51%, 37%, 16%
CMY	0.4941, 0.6274, 0.8353
CMYK	0.00, 0.26, 0.67, 0.49
HSL	37°, 51%, 34%
HSV	37°, 67%, 51%
XYZ	13.5634, 13.0187, 3.9885
YIQ	99.1240, 37.2770, -9.2750

Conversions

Conversions Part 2

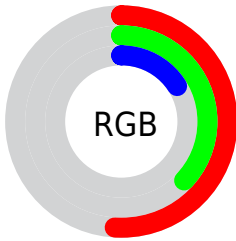
Format	Color
RYB	98, 129, 42
Decimal	8478506
CIELab	42.79, 7.87, 34.94
CIELCh	43, 35.818, 77.302
Yxy	13.0187, 0.4437, 0.4259
Android (android.graphics.Color)	4286668586 (0xFF815F2A)
YUV	99.1240, -28.1621, 26.2013
Hunter-Lab	36.0814, 3.9576, 18.7030

Details

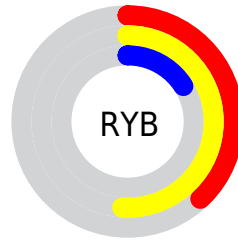
The XYZ color **13.5634, 13.0187, 3.9885** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.5017, 7.2459, 21.7720**, and the grayscale version is **11.9535, 12.5760, 13.6953**.

A 20% lighter version of the original color is **31.9784, 31.3033, 14.0295**, and **4.0788, 3.7331, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **12.9293, 12.0623, 2.8158**, and if you desaturate by 10%, it is **14.3019, 14.0649, 5.5631**.

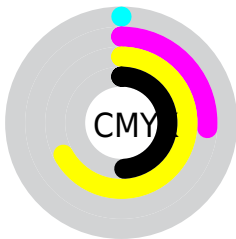
Distribution



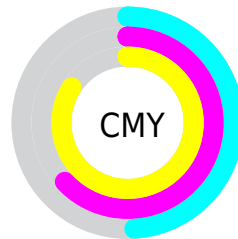
- Red (51%)
- Green (37%)
- Blue (16%)



- Red (38%)
- Yellow (51%)
- Blue (16%)



- Cyan (0%)
- Magenta (26%)
- Yellow (67%)
- Black (49%)



- Cyan (49%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5634, 13.0187, 3.9885 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 13.5634, 13.0187, 3.9885 by changing the saturation by 10% instead.

■ 13.5634, 13.0187,
3.9885

■ 13.5634, 13.0187,
3.9885

208.0630,
211.0375, 148.0975

■ 7.8973, 7.4414,
1.6190

■ 31.9051, 31.3374,
13.9832

■ 4.0806, 3.7397,
0.3043

■ 45.3114, 44.8476,
22.4456

■ 1.7478, 1.5290,
0.0000

■ 62.0285, 61.7708,
33.7760

■ 0.4859, 0.3090,
0.0000

■ 82.4217, 82.4916,
48.3929

■ 0.0000, 0.0000,
0.0000

■ 106.8564,
107.3943, 66.7150

■ 135.6979,

136.8632, 89.1608

169.3117,
171.2828, 116.1488

■ 13.5634, 13.0187,
3.9885

■ 13.5634, 13.0187,
3.9885

■ 12.9293, 12.0623,
2.8158

■ 14.3019, 14.0649,
5.5631

■ 12.3906, 11.1898,
2.0049

■ 15.1508, 15.2026,
7.5730

■ 11.9313, 10.3942,
1.4723

■ 16.1168, 16.4359,
10.0491

■ 11.8198, 10.2002,
1.3459

■ 17.2056, 17.7678,
13.0189

■ 18.4225, 19.2013,
16.5081

■ 19.7724, 20.7391,
20.5404

■ 21.2600, 22.3839,
25.1382

■ 22.8899, 24.1381,
30.3223

■ 24.6661, 26.0043,
36.1129

Harmonies

Analogous

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



16.2839, 13.0187, 5.7511



13.5634, 13.0187, 3.9885



10.8781, 13.0187, 4.1242

Triad

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



13.5634, 13.0187, 3.9885



8.0100, 13.0187, 19.1305



16.6445, 13.0187, 27.0022

Complementary

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



13.5634, 13.0187, 3.9885



7.5017, 7.2459, 21.7720

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.



14.0009, 13.0187, 33.9066



13.5634, 13.0187, 3.9885



9.1459, 13.0187, 28.3354

Square

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



13.5634, 13.0187, 3.9885



7.9286, 13.0187, 11.1221



11.2560, 13.0187, 34.4685



18.2307, 13.0187, 17.7413

Rectangle

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



13.5634, 13.0187, 3.9885



9.4587, 13.0187, 5.2671



11.2560, 13.0187, 34.4685



15.8338, 13.0187, 29.8028

Sweetspot

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



13.5637, 13.0193, 3.9888



32.3060, 33.5885, 27.5695



11.2138, 6.8562, 7.7167



7.1960, 7.4659, 5.9054



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.5637, 13.0193, 3.9888



22.6068, 20.7300, 4.1746



16.0556, 19.8822, 5.1821



4.5286, 4.7460, 4.5975



11.5285, 9.9535, 1.3136



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.5017, 7.2459, 21.7720



10.9589, 9.6812, 38.4836



6.1407, 3.9371, 21.2051



4.2360, 4.4660, 5.4520



4.9965, 3.8115, 20.7223



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5634, 13.0187, 3.9885 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 × Fail

Black Background



This preview shows how the XYZ color 13.5634, 13.0187, 3.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

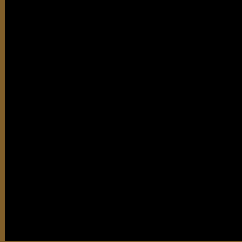
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5634, 13.0187, 3.9885

Background



This preview shows how black text looks on a background with the XYZ color 13.5634, 13.0187, 3.9885.



This preview shows how white text looks on a background with the XYZ color 13.5634, 13.0187,

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

13.5634, 13.0187, 3.9885

Protanopia

12.0160, 13.1953, 4.2965

Deuteranopia

13.2050, 12.9685, 3.9977



Tritanopia

15.3566, 12.9758, 12.7615

Trichromacy



Original Color

13.5634, 13.0187, 3.9885

Protanomaly

12.5056, 13.0200, 4.1395

Deuteranomaly

13.3532, 13.0449, 4.0046

Tritanomaly

14.5613, 12.9095, 8.5618

Monochromacy



Original Color

13.5634, 13.0187, 3.9885

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1732, 12.6004, 8.9983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5634, 13.0187, 3.9885 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(129, 95, 42)` looks like.

```
.text, #text, p{  
    color:rgb(129, 95, 42)  
}
```

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(129, 95, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 95, 42) }
```

Border

The CSS property to change the border of an element to XYZ 13.5634, 13.0187, 3.9885 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(129, 95, 42) }
```


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

```
.border{ border-color:rgb(129, 95, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 95, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 95, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 95, 42);  
box-shadow:4px 4px 4px 4px rgb(129, 95,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5634, 13.0187, 3.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 95, 42) }
```

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

```
.background{ background-color: rgb(129, 95,  
42) }
```

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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