

Converting Colors

XYZ(13.6767, 13.1994, 3.5965)

Have a look what the booklet for
XYZ(13.6767, 13.1994, 3.5965)
contains.

XYZ(13.7227, 13.2451, 3.5836)	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(13.7227, 13.2451,
3.5836)**

Conversions

Conversions Part 1

Format	Color
Hex	826025
RGB	130, 96, 37
RGB Percent	51%, 38%, 15%
CMY	0.4902, 0.6235, 0.8549
CMYK	0.00, 0.26, 0.72, 0.49
HSL	38°, 56%, 33%
HSV	38°, 72%, 51%
XYZ	13.7227, 13.2451, 3.5836
YIQ	99.4400, 39.2030, -11.1410

Conversions

Conversions Part 2

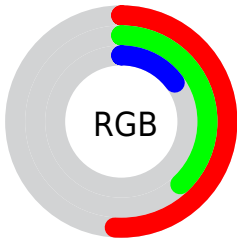
Format	Color
RYB	91, 130, 37
Decimal	8544293
CIELab	43.13, 7.43, 37.85
CIELCh	43, 38.577, 78.893
Yxy	13.2451, 0.4492, 0.4335
Android (android.graphics.Color)	4286734373 (0xFF826025)
YUV	99.4400, -30.7829, 26.8011
Hunter-Lab	36.3938, 3.6163, 19.6375

Details

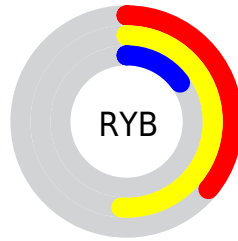
The XYZ color **13.7227, 13.2451, 3.5836** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0454, 6.5113, 22.0044**, and the grayscale version is **12.0397, 12.6667, 13.7940**.

A 20% lighter version of the original color is **32.1683, 31.6527, 13.0085**, and **4.2012, 3.8590, 0.5234** is the 20% darker color. If you saturate the color by 10%, you get **13.1333, 12.3369, 2.5533**, and if you desaturate by 10%, it is **14.4116, 14.2361, 5.0061**.

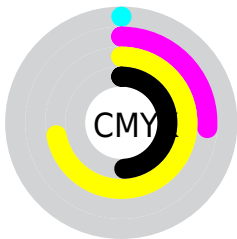
Distribution



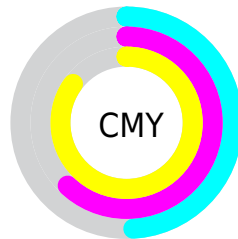
- Red (51%)
- Green (38%)
- Blue (15%)



- Red (36%)
- Yellow (51%)
- Blue (15%)



- Cyan (0%)
- Magenta (26%)
- Yellow (72%)
- Black (49%)



- Cyan (49%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7227, 13.2451, 3.5836 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 13.7227, 13.2451, 3.5836 by changing the saturation by 10% instead.

■ 13.7227, 13.2451,
3.5836

■ 13.7227, 13.2451,
3.5836

209.0442,
212.4826, 143.4781

■ 8.0085, 7.5975,
1.3998

■ 32.1866, 31.7434,
13.0374

■ 4.1522, 3.8385,
0.1416

■ 45.6669, 45.3630,
21.1445

■ 1.7886, 1.5836,
0.0000

■ 62.4667, 62.4086,
32.0632

■ 0.5108, 0.3465,
0.0000

■ 82.9512, 83.2648,
46.2119

■ 0.0000, 0.0000,
0.0000

■ 107.4859,
108.3159, 64.0092

■ 136.4360,

137.9463, 85.8736

170.1670,
172.5404, 112.2238

13.7227, 13.2451,
3.5836

13.7227, 13.2451,
3.5836

13.1333, 12.3369,
2.5533

14.4116, 14.2361,
5.0061

12.6340, 11.5055,
1.8716

15.2066, 15.3116,
6.8569

12.2592, 10.8526,
1.4486

16.1145, 16.4757,
9.1687

17.1413, 17.7314,
11.9707

18.2924, 19.0816,
15.2899

■ 19.5731, 20.5289,
19.1511

■ 20.9880, 22.0759,
23.5776

■ 22.5418, 23.7251,
28.5914

■ 24.2386, 25.4788,
34.2130

Harmonies

Analogous

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



16.7338, 13.2451, 5.2689



13.7227, 13.2451, 3.5836



10.8273, 13.2451, 3.8159

Triad

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



13.7227, 13.2451, 3.5836



7.9182, 13.2451, 20.3989



17.4062, 13.2451, 28.0852

Complementary

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



13.7227, 13.2451, 3.5836



7.0454, 6.5113, 22.0044

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.



14.5323, 13.2451, 36.1183



13.7227, 13.2451, 3.5836



9.1923, 13.2451, 30.6087

Square

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



13.7227, 13.2451, 3.5836



7.7716, 13.2451, 11.4922



11.5197, 13.2451, 37.1899



19.0728, 13.2451, 17.8109

Rectangle

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



13.7227, 13.2451, 3.5836



9.3302, 13.2451, 5.0638



11.5197, 13.2451, 37.1899



16.5302, 13.2451, 31.2851

Sweetspot

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



13.7230, 13.2458, 3.5839



32.2278, 33.6194, 26.9653



11.0081, 6.5253, 6.6576



7.1862, 7.4843, 5.7850



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.



13.7230, 13.2458, 3.5839



22.5480, 20.7724, 3.6615



15.7335, 19.9223, 4.7666



4.5373, 4.7632, 4.6004



11.7614, 10.4192, 1.3912



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0454, 6.5113, 22.0044



10.0793, 8.2614, 38.2559



5.9770, 3.5980, 21.4984



4.2276, 4.4492, 5.4492



4.8644, 3.5473, 20.6783



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7227, 13.2451, 3.5836 looks on a white background.

Color Contrast Check

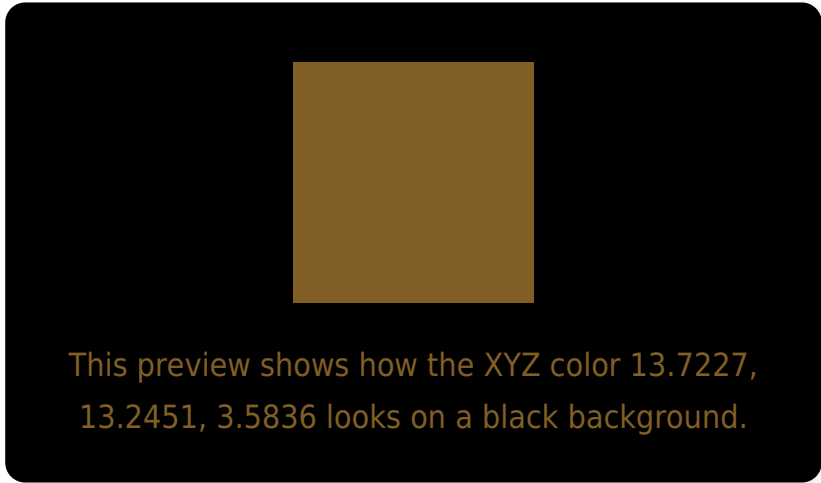
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.7227, 13.2451, 3.5836

Background



This preview shows how black text looks on a background with the XYZ color 13.7227, 13.2451, 3.5836.



This preview shows how white text looks on a background with the XYZ color 13.7227, 13.2451,

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

13.7227, 13.2451, 3.5836

Protanopia

12.0570, 13.2266, 3.8370

Deuteranopia

13.5107, 13.2722, 3.6000



Tritanopia

15.6453, 13.2437, 13.0410

Trichromacy



Original Color

13.7227, 13.2451, 3.5836

Protanomaly

12.6528, 13.2474, 3.7238

Deuteranomaly

13.6619, 13.3501, 3.6070

Tritanomaly

14.7700, 13.1488, 8.4161

Monochromacy



Original Color

13.7227, 13.2451, 3.5836

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1026, 12.5722, 8.6263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7227, 13.2451, 3.5836 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(130, 96, 37)` looks like.

```
.text, #text, p{  
    color:rgb(130, 96, 37)  
}
```

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(130, 96, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 96, 37) }
```

Border

The CSS property to change the border of an element to XYZ 13.7227, 13.2451, 3.5836 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(130, 96, 37) }
```


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

```
.border{ border-color:rgb(130, 96, 37) }
```

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

Here you see how a box with a 4 pixel rgb(130, 96, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 96, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 96, 37);  
box-shadow:4px 4px 4px 4px rgb(130, 96,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7227, 13.2451, 3.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 96, 37) }
```

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

```
.background{ background-color: rgb(130, 96,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor