

Converting Colors

XYZ(13.1650, 10.2861, 0.0000)

Have a look what the booklet for
XYZ(13.1650, 10.2861, 0.0000)
contains.

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Color

**XYZ(13.4727, 10.3855,
1.2945)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4800
RGB	142, 72, 0
RGB Percent	56%, 28%, 0%
CMY	0.4431, 0.7176, 1.0000
CMYK	0.00, 0.49, 1.00, 0.44
HSL	30°, 100%, 28%
HSV	30°, 100%, 56%
XYZ	13.4727, 10.3855, 1.2945
YIQ	84.7220, 64.8320, -7.5520

Conversions

Conversions Part 2

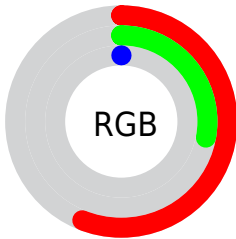
Format	Color
R_{YB}	138, 142, 0
Decimal	9324544
CIE _{Lab}	38.53, 25.68, 48.36
CIE _{LCh}	39, 54.756, 62.036
Yxy	10.3855, 0.5356, 0.4129
Android (android.graphics.Color)	4287514624 (0xFF8E4800)
YUV	84.7220, -41.7679, 50.2328
Hunter-Lab	32.2265, 18.2277, 20.1770

Details

The XYZ color **13.4727, 10.3855, 1.2945** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.0725, 6.3330, 26.4407**, and the grayscale version is **8.6518, 9.1024, 9.9125**.

A 20% lighter version of the original color is **31.6144, 26.3681, 7.0377**, and **4.1157, 2.6701, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **13.4728, 10.3859, 1.2946**, and if you desaturate by 10%, it is **14.0322, 11.3756, 1.8788**.

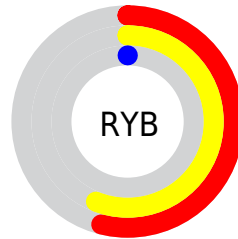
Distribution



Red (56%)

Green (28%)

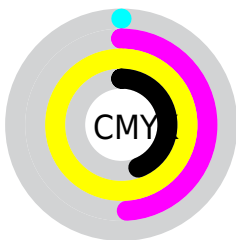
Blue (0%)



Red (54%)

Yellow (56%)

Blue (0%)

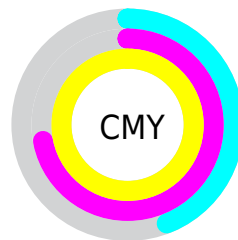


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4727, 10.3855, 1.2945 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 13.4727, 10.3855, 1.2945 by changing the saturation by 10% instead.


 13.4727, 10.3855,
1.2945


 13.4727, 10.3855,
1.2945


 207.5023,
193.4017, 110.2265


 7.8341, 5.6553,
0.0573


 31.7446, 26.5181,
7.0024


 4.0399, 2.6366,
0.0000

 45.1086, 38.6893,
12.5649


 1.7247, 0.9451,
0.0000

 61.7784, 54.1096,
20.4911

 0.4717, 0.0000,
0.0000

 82.1193, 73.1634,
31.1995


 0.0000, 0.0000,
0.0000


 106.4969, 96.2352,
45.1087


 135.2763,


123.7092, 62.6372


 168.8230,
155.9699, 84.2037


 13.4727, 10.3855,
1.2945


 13.4727, 10.3855,
1.2945


 13.4728, 10.3859,
1.2946

 14.0322, 11.3756,
1.8788

 14.6978, 12.4927,
2.7607

 15.4987, 13.7516,
4.0849

 16.4463, 15.1591,
5.9043

 17.5506, 16.7216,
8.2642

■ 18.8206, 18.4450,
11.2048

■ 20.2643, 20.3345,
14.7623

■ 21.8893, 22.3953,
18.9701

■ 23.7027, 24.6323,
23.8591

Harmonies

Analogous

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



16.9510, 10.3855, 3.7316



13.4727, 10.3855, 1.2945



9.6281, 10.3855, 0.8181

Triad

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



13.4727, 10.3855, 1.2945



4.4569, 10.3855, 12.0245



14.0017, 10.3855, 37.6901

Complementary

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



13.4727, 10.3855, 1.2945



7.0725, 6.3330, 26.4407

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.



10.1182, 10.3855, 44.7793



13.4727, 10.3855, 1.2945



5.1015, 10.3855, 25.3610

Square

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



13.4727, 10.3855, 1.2945



4.9453, 10.3855, 4.3427



6.9764, 10.3855, 39.2779



17.3049, 10.3855, 23.3347

Rectangle

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



13.4727, 10.3855, 1.2945



7.5023, 10.3855, 1.1014



6.9764, 10.3855, 39.2779



12.6925, 10.3855, 41.2924

Sweetspot

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



13.4729, 10.3861, 1.2947



35.5661, 35.6413, 25.6069



12.2926, 6.2057, 6.5113



7.7275, 7.6798, 5.1791



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.4729, 10.3861, 1.2947



23.5944, 17.9868, 2.2282



20.8282, 25.0966, 3.7464



5.6207, 5.8477, 5.7218



12.1152, 9.3620, 1.1685



0.1379, 0.1336, 0.0185

Inverse Universe

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



7.0725, 6.3330, 26.4407



12.3085, 10.8413, 46.5717



4.8825, 1.9530, 25.7107



5.3353, 5.6664, 6.8413



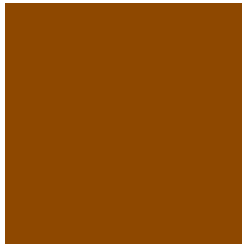
6.3684, 5.7228, 23.7460



0.0828, 0.0986, 0.2343

Previews

White Background



This preview shows how the XYZ color 13.4727, 10.3855, 1.2945 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 13.4727, 10.3855, 1.2945

Background



This preview shows how black text looks on a background with the XYZ color 13.4727, 10.3855, 1.2945.



This preview shows how white text looks on a background with the XYZ color 13.4727, 10.3855,

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

13.4727, 10.3855, 1.2945

Protanopia

9.4870, 10.5644, 1.8869

Deuteranopia

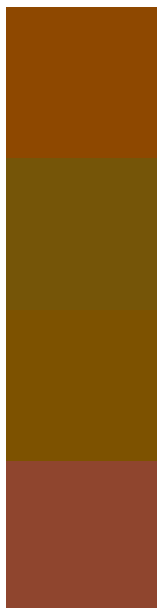
10.6107, 10.5294, 1.4731



Tritanopia

14.6785, 10.4115, 7.3669

Trichromacy



Original Color

13.4727, 10.3855, 1.2945

Protanomaly

10.6284, 10.2964, 1.6570

Deuteranomaly

11.4747, 10.3946, 1.4016

Tritanomaly

13.9490, 10.2931, 3.8364

Monochromacy



Original Color

13.4727, 10.3855, 1.2945

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.4784, 9.0678, 4.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4727, 10.3855, 1.2945 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(142, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 72, 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(142, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4727, 10.3855, 1.2945 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(142, 72, 0) }
```


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

```
.border{ border-color:rgb(142, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(142, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4727, 10.3855, 1.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 72, 0) }
```

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

```
.background{ background-color: rgb(142, 72,  
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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