

Converting Colors

XYZ(13.6760, 13.4223, 4.5182)

Have a look what the booklet for
XYZ(13.6760, 13.4223, 4.5182)
contains.

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Color

**XYZ(13.7829, 13.5298,
4.5744)**

Conversions

Conversions Part 1

Format	Color
Hex	80622F
RGB	128, 98, 47
RGB Percent	50%, 38%, 18%
CMY	0.4980, 0.6157, 0.8157
CMYK	0.00, 0.23, 0.63, 0.50
HSL	38°, 46%, 34%
HSV	38°, 63%, 50%
XYZ	13.7829, 13.5298, 4.5744
YIQ	101.1560, 34.2510, -9.5010

Conversions

Conversions Part 2

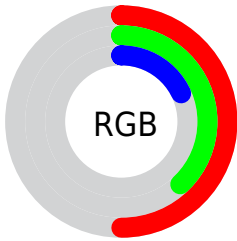
Format	Color
RYB	95, 128, 47
Decimal	8413743
CIELab	43.55, 6.00, 33.15
CIELCh	44, 33.686, 79.738
Yxy	13.5298, 0.4322, 0.4243
Android (android.graphics.Color)	4286603823 (0xFF80622F)
YUV	101.1560, -26.6989, 23.5422
Hunter-Lab	36.7829, 2.5156, 18.3746

Details

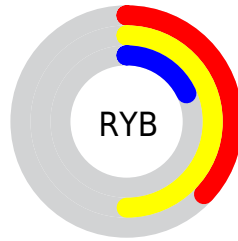
The XYZ color **13.7829, 13.5298, 4.5744** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.7224, 7.4704, 21.4570**, and the grayscale version is **12.4709, 13.1204, 14.2881**.

A 20% lighter version of the original color is **32.3414, 32.3884, 15.3735**, and **4.2085, 3.9925, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **13.1312, 12.5808, 3.2649**, and if you desaturate by 10%, it is **14.5373, 14.5629, 6.2922**.

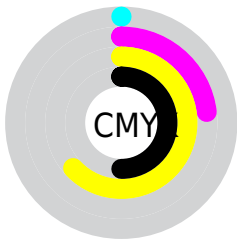
Distribution



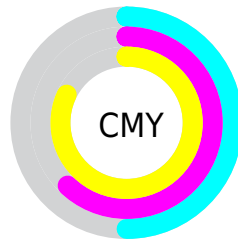
- Red (50%)
- Green (38%)
- Blue (18%)



- Red (37%)
- Yellow (50%)
- Blue (18%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (50%)



- Cyan (50%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7829, 13.5298, 4.5744 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 13.7829, 13.5298, 4.5744 by changing the saturation by 10% instead.

■ 13.7829, 13.5298,
4.5744

■ 13.7829, 13.5298,
4.5744

209.4138,
214.2857, 154.4106

■ 8.0505, 7.7944,
1.9455

■ 32.2928, 32.2524,
15.3142

■ 4.1794, 3.9637,
0.5214

■ 45.8010, 46.0083,
24.2622

■ 1.8041, 1.6533,
0.0000

■ 62.6319, 63.2065,
36.1535

■ 0.5201, 0.3931,
0.0000

■ 83.1509, 84.2314,
51.4069

■ 0.0000, 0.0000,
0.0000

■ 107.7231,
109.4674, 70.4407

■ 136.7142,

139.2988, 93.6736

170.4892,
174.1102, 121.5240

■ 13.7829, 13.5298,
4.5744

■ 13.7829, 13.5298,
4.5744

■ 13.1312, 12.5808,
3.2649

■ 14.5373, 14.5629,
6.2922

■ 12.5740, 11.7104,
2.3268

■ 15.3998, 15.6816,
8.4495

■ 12.1027, 10.9150,
1.7159

■ 16.3767, 16.8894,
11.0750

■ 11.8147, 10.4144,
1.3875

■ 17.4734, 18.1892,
14.1951

■ 18.6948, 19.5836,
17.8341

■ 20.0455, 21.0752,
22.0144

■ 21.5301, 22.6664,
26.7576

■ 23.1527, 24.3594,
32.0837

■ 24.9173, 26.1564,
38.0118

Harmonies

Analogous

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



16.4171, 13.5298, 6.2060



13.7829, 13.5298, 4.5744



11.2245, 13.5298, 4.8646

Triad

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



13.7829, 13.5298, 4.5744



8.6587, 13.5298, 20.1910



17.1229, 13.5298, 26.2300

Complementary

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



13.7829, 13.5298, 4.5744



7.7224, 7.4704, 21.4570

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.



14.6464, 13.5298, 33.0278



13.7829, 13.5298, 4.5744



9.8573, 13.5298, 28.7975

Square

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



13.7829, 13.5298, 4.5744



8.4934, 13.5298, 12.2965



11.9786, 13.5298, 34.1011



18.5126, 13.5298, 17.4688

Rectangle

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



13.7829, 13.5298, 4.5744



9.8871, 13.5298, 6.1582



11.9786, 13.5298, 34.1011



16.3753, 13.5298, 28.9312

Sweetspot

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



13.7832, 13.5305, 4.5747



31.5646, 32.9484, 27.3446



11.2956, 7.1731, 8.0065



7.2705, 7.5763, 6.0492



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.



13.7832, 13.5305, 4.5747



22.6614, 21.4489, 4.9336



15.7785, 19.5338, 5.6283



4.5356, 4.7600, 4.5998



11.7164, 10.3293, 1.3762



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.7224, 7.4704, 21.4570



11.0889, 9.9153, 37.2857



6.5691, 4.4455, 20.9339



4.2292, 4.4524, 5.4498



4.8887, 3.5959, 20.6864



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7829, 13.5298, 4.5744 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 13.7829, 13.5298, 4.5744 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 13.7829, 13.5298, 4.5744

Background



This preview shows how black text looks on a background with the XYZ color 13.7829, 13.5298, 4.5744.



This preview shows how white text looks on a background with the XYZ color 13.7829, 13.5298,

4.5744.

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

13.7829, 13.5298, 4.5744

Protanopia

12.3441, 13.4997, 4.8608

Deuteranopia

13.7829, 13.5298, 4.5744



Tritanopia

15.5950, 13.4607, 13.5806

Trichromacy



Original Color

13.7829, 13.5298, 4.5744

Protanomaly

12.7949, 13.4427, 4.7166

Deuteranomaly

13.7829, 13.5298, 4.5744

Tritanomaly

14.8107, 13.4099, 9.3972

Monochromacy



Original Color

13.7829, 13.5298, 4.5744

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5979, 13.0879, 9.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7829, 13.5298, 4.5744 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(128, 98, 47)` looks like.

```
.text, #text, p{  
    color:rgb(128, 98, 47)  
}
```

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(128, 98, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 98, 47) }
```

Border

The CSS property to change the border of an element to XYZ 13.7829, 13.5298, 4.5744 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(128, 98, 47) }
```


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

```
.border{ border-color:rgb(128, 98, 47) }
```

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

Here you see how a box with a 4 pixel rgb(128, 98, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 98, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 98, 47);  
box-shadow:4px 4px 4px 4px rgb(128, 98,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7829, 13.5298, 4.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 98, 47) }
```

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

```
.background{ background-color: rgb(128, 98,  
47) }
```

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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