

Converting Colors

XYZ(13.8170, 12.5000, 12.2210)

Have a look what the booklet for
XYZ(13.8170, 12.5000, 12.2210)
contains.

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Color

**XYZ(13.7875, 12.4279,
12.2618)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5B5E
RGB	122, 91, 94
RGB Percent	48%, 36%, 37%
CMY	0.5216, 0.6431, 0.6314
CMYK	0.00, 0.25, 0.23, 0.52
HSL	354°, 15%, 42%
HSV	354°, 25%, 48%
XYZ	13.7875, 12.4279, 12.2618
YIQ	100.6110, 17.5130, 7.5050

Conversions

Conversions Part 2

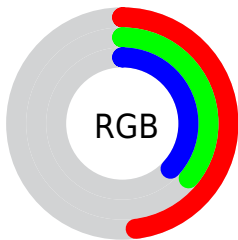
Format	Color
R_{YB}	122, 91, 94
Decimal	8018782
CIE _{Lab}	41.89, 13.20, 3.23
CIE _{LCh}	42, 13.586, 13.735
Yxy	12.4279, 0.3583, 0.3230
Android (android.graphics.Color)	4286208862 (0xFF7A5B5E)
YUV	100.6110, -3.2592, 18.7582
Hunter-Lab	35.2532, 8.1180, 4.0550

Details

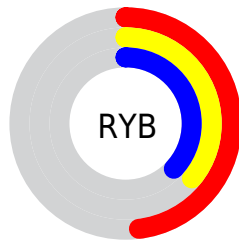
The XYZ color **13.7875, 12.4279, 12.2618** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.6042, 17.4754, 20.0570**, and the grayscale version is **12.2747, 12.9140, 14.0633**.

A 20% lighter version of the original color is **32.2381, 30.1773, 30.5112**, and **4.1444, 3.4679, 3.2472** is the 20% darker color. If you saturate the color by 10%, you get **12.3685, 10.3254, 9.5208**, and if you desaturate by 10%, it is **15.4474, 14.8989, 15.4318**.

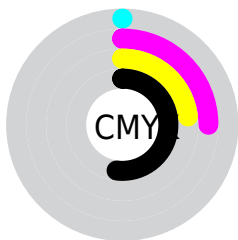
Distribution



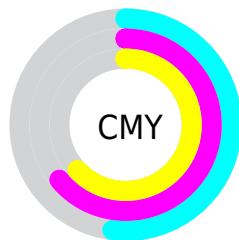
- Red (48%)
- Green (36%)
- Blue (37%)



- Red (48%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (25%)
- Yellow (23%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7875, 12.4279, 12.2618 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 13.7875, 12.4279, 12.2618 by changing the saturation by 10% instead.

■ 13.7875, 12.4279,
12.2618

■ 13.7875, 12.4279,
12.2618

209.4420,
207.2179, 217.1699

■ 8.0537, 7.0358,
6.7975

■ 32.3009, 30.2721,
30.6425

■ 4.1814, 3.4845,
3.2593

■ 45.8113, 43.4929,
44.3961

■ 1.8053, 1.3896,
1.2285

■ 62.6446, 60.0922,
61.7498

■ 0.5209, 0.2090,
0.0021

■ 83.1661, 80.4542,
83.1222

■ 0.0000, 0.0000,
0.0000

107.7413,
104.9634, 108.9319

136.7354,

134.0041, 139.5974

170.5139,
167.9608, 175.5372

■ 13.7875, 12.4279,
12.2618

■ 13.7875, 12.4279,
12.2618

■ 12.3685, 10.3254,
9.5208

■ 15.4474, 14.8989,
15.4318

■ 11.1781, 8.5722,
7.1895

■ 17.3577, 17.7531,
19.0474

■ 10.2048, 7.1499,
5.2486

■ 19.5284, 21.0065,
23.1251

■ 9.4352, 6.0376,
3.6766

■ 21.9688, 24.6737,
27.6804

■ 8.8550, 5.2121,
2.4500

■ 24.6878, 28.7683,
32.7281

■ 8.4474, 4.6471,
1.5428

■ 27.6938, 33.3037,
38.2825

■ 8.1870, 4.2993,
0.9229

■ 30.9949, 38.2924,
44.3569

■ 8.0912, 4.1636,
0.7186

■ 34.5988, 43.7465,
50.9646

■ 38.5130, 49.6777,
58.1182

Harmonies

Analogous

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



13.7631, 12.4279, 15.1393



13.7875, 12.4279, 12.2618



13.2620, 12.4279, 10.0599

Triad

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



13.7875, 12.4279, 12.2618



10.5280, 12.4279, 9.9190



11.2801, 12.4279, 19.5599

Complementary

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



13.7875, 12.4279, 12.2618



14.6042, 17.4754, 20.0570

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.



10.4724, 12.4279, 17.7228



13.7875, 12.4279, 12.2618



10.0552, 12.4279, 12.0425

Square

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



13.7875, 12.4279, 12.2618



11.3601, 12.4279, 8.8426



10.0355, 12.4279, 14.8867



12.2764, 12.4279, 19.6407

Rectangle

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



13.7875, 12.4279, 12.2618



12.6869, 12.4279, 9.1568



10.0355, 12.4279, 14.8867



10.9789, 12.4279, 19.1167

Sweetspot

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



13.7878, 12.4285, 12.2621



29.5558, 29.7649, 31.6577



14.8483, 12.8028, 20.1010



6.6578, 6.6561, 7.0492



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7878, 12.4285, 12.2621



22.8780, 19.8200, 18.9170



14.8049, 14.6736, 11.9502



4.0126, 4.0208, 4.2640



8.5170, 4.3830, 0.7476



40.4772, 20.8472, 2.7773

Inverse Universe

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



13.7878, 12.4285, 12.2621



22.8780, 19.8200, 18.9170



13.3606, 14.6955, 20.5448



4.0126, 4.0208, 4.2640



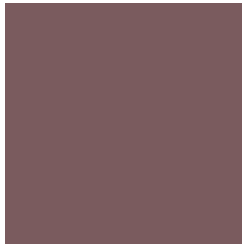
8.5170, 4.3830, 0.7476



40.4772, 20.8472, 2.7773

Previews

White Background



This preview shows how the XYZ color 13.7875, 12.4279, 12.2618 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 13.7875, 12.4279, 12.2618 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

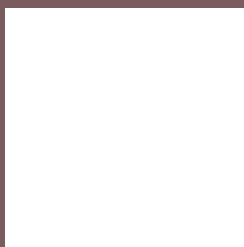
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7875, 12.4279, 12.2618

Background



This preview shows how black text looks on a background with the XYZ color 13.7875, 12.4279, 12.2618.



This preview shows how white text looks on a background with the XYZ color 13.7875, 12.4279,

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

13.7875, 12.4279, 12.2618

Protanopia

12.0333, 12.5722, 13.3477

Deuteranopia

12.7142, 12.5356, 12.1054



Tritanopia

13.8399, 12.3130, 12.9565

Trichromacy



Original Color

13.7875, 12.4279, 12.2618

Protanomaly

12.6472, 12.4800, 13.0516

Deuteranomaly

13.0487, 12.4406, 12.0695

Tritanomaly

13.7935, 12.2944, 12.7124

Monochromacy



Original Color

13.7875, 12.4279, 12.2618

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7860, 12.6824, 13.3293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7875, 12.4279, 12.2618 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(122, 91, 94)` looks like.

```
.text, #text, p{  
    color:rgb(122, 91, 94)  
}
```

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(122, 91, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 91, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.7875, 12.4279, 12.2618 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(122, 91, 94) }
```


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

```
.border{ border-color:rgb(122, 91, 94) }
```

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

Here you see how a box with a 4 pixel rgb(122, 91, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 91, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 91, 94);  
box-shadow:4px 4px 4px 4px rgb(122, 91,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7875, 12.4279, 12.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 91, 94) }
```

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

```
.background{ background-color: rgb(122, 91,  
94) }
```

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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