

Converting Colors

XYZ(14.6897, 12.4860, 9.8590)

Have a look what the booklet for
XYZ(14.6897, 12.4860, 9.8590)
contains.

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Color

**XYZ(14.6424, 12.4275,
9.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	855753
RGB	133, 87, 83
RGB Percent	52%, 34%, 33%
CMY	0.4784, 0.6588, 0.6745
CMYK	0.00, 0.35, 0.38, 0.48
HSL	5°, 23%, 42%
HSV	5°, 38%, 52%
XYZ	14.6424, 12.4275, 9.8106
YIQ	100.2980, 28.7000, 8.5080

Conversions

Conversions Part 2

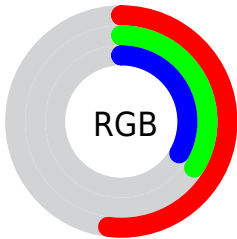
Format	Color
R_{YB}	133, 87, 83
Decimal	8738643
CIE _{Lab}	41.89, 18.52, 10.14
CIE _{LCh}	42, 21.117, 28.710
Yxy	12.4275, 0.3970, 0.3370
Android (android.graphics.Color)	4286928723 (0xFF855753)
YUV	100.2980, -8.5279, 28.6797
Hunter-Lab	35.2527, 12.4489, 8.1768

Details

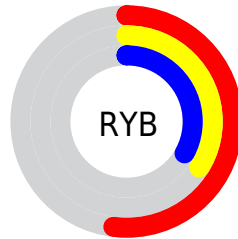
The XYZ color **14.6424, 12.4275, 9.8106** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.6508, 19.2321, 25.0776**, and the grayscale version is **12.2055, 12.8412, 13.9840**.

A 20% lighter version of the original color is **33.8496, 30.2486, 25.8843**, and **4.5361, 3.4751, 2.2654** is the 20% darker color. If you saturate the color by 10%, you get **13.2693, 10.4258, 7.0579**, and if you desaturate by 10%, it is **16.2826, 14.8057, 13.1386**.

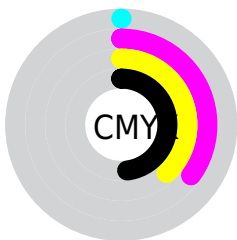
Distribution



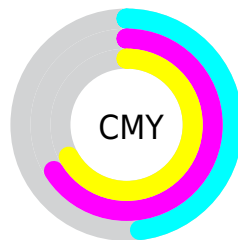
- Red (52%)
- Green (34%)
- Blue (33%)



- Red (52%)
- Yellow (34%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (38%)
- Black (48%)





- Cyan (48%)
- Magenta (66%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6424, 12.4275, 9.8106 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 14.6424, 12.4275, 9.8106 by changing the saturation by 10% instead.


 14.6424, 12.4275,
9.8106


 14.6424, 12.4275,
9.8106


214.6230,
207.2153, 199.7504


 8.6535, 7.0355,
5.1696


 33.8014, 30.2714,
26.0409


 4.5711, 3.4843,
2.2866

 47.7023, 43.4920,
38.4672


 2.0301, 1.3895,
0.7237

 64.9711, 60.0910,
54.3258

 0.6508, 0.2090,
0.0000

 85.9733, 80.4528,
74.0350

 0.0000, 0.0000,
0.0000

 111.0743,
104.9617, 98.0136

140.6393,

134.0022, 126.6800

175.0338,
167.9586, 160.4527

■ 14.6424, 12.4275,
9.8106

■ 14.6424, 12.4275,
9.8106

■ 13.2693, 10.4258,
7.0579

■ 16.2826, 14.8057,
13.1386

■ 12.1483, 8.7796,
4.8473

■ 18.2019, 17.5763,
17.0713

■ 11.2642, 7.4685,
3.1431

■ 20.4131, 20.7566,
21.6368

■ 10.5998, 6.4695,
1.9051

■ 22.9274, 24.3625,
26.8614

■ 10.1358, 5.7567,
1.0870

■ 25.7558, 28.4086,
32.7697

■ 9.8420, 5.2968,
0.5956

■ 28.9087, 32.9093,
39.3852

■ 9.7885, 5.2179,
0.4912

■ 32.3958, 37.8781,
46.7303

■ 36.2266, 43.3278,
54.8262

■ 40.4102, 49.2711,
63.6934

Harmonies

Analogous

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



15.0711, 12.4275, 13.7257



14.6424, 12.4275, 9.8106



13.4391, 12.4275, 7.4388

Triad

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



14.6424, 12.4275, 9.8106



9.4300, 12.4275, 9.5428



11.7446, 12.4275, 24.0628

Complementary

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



14.6424, 12.4275, 9.8106



15.6508, 19.2321, 25.0776

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.



10.3218, 12.4275, 22.2783



14.6424, 12.4275, 9.8106



9.0602, 12.4275, 13.3390

Square

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



14.6424, 12.4275, 9.8106



10.4291, 12.4275, 7.3098



9.3720, 12.4275, 18.0910



13.3120, 12.4275, 22.5490

Rectangle

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



14.6424, 12.4275, 9.8106



12.4089, 12.4275, 6.7354



9.3720, 12.4275, 18.0910



11.2345, 12.4275, 23.8228

Sweetspot

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



14.6427, 12.4281, 9.8108



35.0459, 35.0016, 35.6233



16.7731, 12.7759, 22.5839



7.7946, 7.7404, 7.8171



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.6427, 12.4281, 9.8108



24.1185, 19.1906, 13.3478



16.9551, 17.0529, 10.5816



4.7003, 4.7443, 4.8974



9.3266, 4.9759, 0.4689



0.0341, 0.0209, 0.0022

Inverse Universe

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



15.6508, 19.2321, 25.0776



26.1861, 33.1787, 44.7624



12.8187, 13.5679, 24.1335



4.7706, 5.2168, 5.9563



10.7056, 14.9589, 23.4598



0.0394, 0.0565, 0.0821

Previews

White Background



This preview shows how the XYZ color 14.6424, 12.4275, 9.8106 looks on a white background.

Color Contrast Check

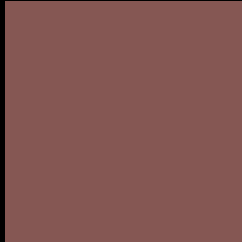
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6424, 12.4275, 9.8106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

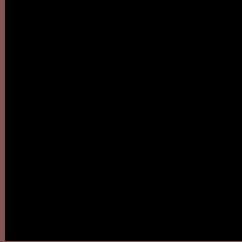
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6424, 12.4275, 9.8106

Background



This preview shows how black text looks on a background with the XYZ color 14.6424, 12.4275, 9.8106.

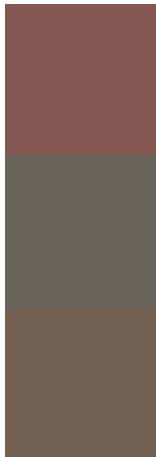


This preview shows how white text looks on a background with the XYZ color 14.6424, 12.4275,

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

14.6424, 12.4275, 9.8106

Protanopia

11.8585, 12.5285, 11.2444

Deuteranopia

12.6476, 12.4233, 9.5159



Tritanopia

15.0911, 12.4966, 11.7419

Trichromacy



Original Color

14.6424, 12.4275, 9.8106

Protanomaly

12.7519, 12.4499, 10.7478

Deuteranomaly

13.3762, 12.4011, 9.6713

Tritanomaly

14.9625, 12.4452, 11.0647

Monochromacy



Original Color

14.6424, 12.4275, 9.8106

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7947, 12.4373, 12.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6424, 12.4275, 9.8106 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(133, 87, 83)` looks like.

```
.text, #text, p{  
    color:rgb(133, 87, 83)  
}
```

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(133, 87, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 87, 83) }
```

Border

The CSS property to change the border of an element to XYZ 14.6424, 12.4275, 9.8106 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(133, 87, 83) }
```


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

```
.border{ border-color:rgb(133, 87, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 87, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 87, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 87, 83);  
box-shadow:4px 4px 4px 4px rgb(133, 87,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6424, 12.4275, 9.8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 87, 83) }
```

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

```
.background{ background-color: rgb(133, 87,  
83) }
```

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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