

Converting Colors

XYZ(12.5036, 9.5324, 1.4463)

Have a look what the booklet for
XYZ(12.5036, 9.5324, 1.4463)
contains.

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Color

**XYZ(12.4330, 9.4723,
1.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	894409
RGB	137, 68, 9
RGB Percent	54%, 27%, 4%
CMY	0.4627, 0.7333, 0.9647
CMYK	0.00, 0.50, 0.93, 0.46
HSL	28°, 88%, 29%
HSV	28°, 93%, 54%
XYZ	12.4330, 9.4723, 1.4315
YIQ	81.9050, 60.0630, -3.7210

Conversions

Conversions Part 2

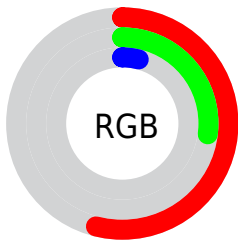
Format	Color
R_{YB}	137, 118, 9
Decimal	8995849
CIE _{Lab}	36.88, 25.89, 43.97
CIE _{LCh}	37, 51.023, 59.507
Yxy	9.4723, 0.5328, 0.4059
Android (android.graphics.Color)	4287185929 (0xFF894409)
YUV	81.9050, -35.9422, 48.3183
Hunter-Lab	30.7771, 18.2486, 18.7863

Details

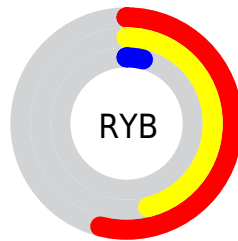
The XYZ color **12.4330, 9.4723, 1.4315** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.3524, 7.3129, 24.6909**, and the grayscale version is **8.0627, 8.4825, 9.2375**.

A 20% lighter version of the original color is **29.9419, 24.7846, 7.4808**, and **3.5952, 2.2793, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **12.1024, 8.8901, 1.0781**, and if you desaturate by 10%, it is **13.0108, 10.4641, 2.1291**.

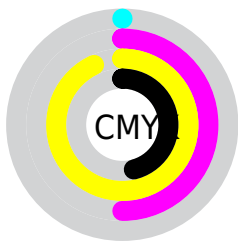
Distribution



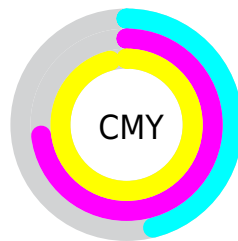
- Red (54%)
- Green (27%)
- Blue (4%)



- Red (54%)
- Yellow (46%)
- Blue (4%)



- Cyan (0%)
- Magenta (50%)
- Yellow (93%)
- Black (46%)





- Cyan (46%)
- Magenta (73%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4330, 9.4723, 1.4315 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 12.4330, 9.4723, 1.4315 by changing the saturation by 10% instead.


 12.4330, 9.4723,
1.4315


 12.4330, 9.4723,
1.4315


 200.9631,
186.8632, 112.8096


 7.1136, 5.0505,
0.1661


 29.8914, 24.7981,
7.4185


 3.5802, 2.2769,
0.0000

 42.7610, 36.4709,
13.1772


 1.4675, 0.7615,
0.0000

 58.8782, 51.3295,
21.3374

 0.3036, 0.0000,
0.0000

 78.6081, 69.7583,
32.3176


 0.0000, 0.0000,
0.0000


 102.3162, 92.1417,
46.5364


 130.3678,


118.8640, 64.4123


 163.1283,
150.3097, 86.3639


 12.4330, 9.4723,
1.4315


 12.4330, 9.4723,
1.4315


 12.1024, 8.8901,
1.0781

 13.0108, 10.4641,
2.1291

 13.7171, 11.6002,
3.2176

 14.5640, 12.8887,
4.7494

 15.5614, 14.3365,
6.7682

 16.7182, 15.9499,
9.3121

■ 18.0424, 17.7348,
12.4157

■ 19.5416, 19.6968,
16.1104

■ 21.2226, 21.8410,
20.4252

■ 23.0921, 24.1725,
25.3873

Harmonies

Analogous

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



15.3570, 9.4723, 3.9199



12.4330, 9.4723, 1.4315



9.0553, 9.4723, 0.8783

Triad

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



12.4330, 9.4723, 1.4315



4.2095, 9.4723, 10.1653



12.3215, 9.4723, 33.9159

Complementary

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



12.4330, 9.4723, 1.4315



7.3524, 7.3129, 24.6909

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.



8.9512, 9.4723, 39.1273



12.4330, 9.4723, 1.4315



4.6996, 9.4723, 21.4092

Square

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



12.4330, 9.4723, 1.4315



4.7335, 9.4723, 3.7860



6.2703, 9.4723, 33.5873



15.2828, 9.4723, 21.8322

Rectangle

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



12.4330, 9.4723, 1.4315



7.1313, 9.4723, 1.0878



6.2703, 9.4723, 33.5873



11.1768, 9.4723, 36.7606

Sweetspot

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



12.4332, 9.4728, 1.4317



33.5624, 33.4099, 25.2818



11.8402, 6.0842, 8.0243



7.3063, 7.2020, 5.1298



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.4332, 9.4728, 1.4317



21.5135, 15.6012, 1.8775



18.4285, 21.4635, 3.4301



5.2104, 5.4037, 5.3208



11.2851, 8.3047, 1.0082



0.0894, 0.0839, 0.0115

Inverse Universe

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



7.3524, 7.3129, 24.6909



12.2891, 11.6403, 43.9823



4.8046, 2.2174, 23.8417



4.9833, 5.3095, 6.3680



6.4898, 6.2498, 22.9100



0.0578, 0.0709, 0.1571

Previews

White Background



This preview shows how the XYZ color 12.4330, 9.4723, 1.4315 looks on a white background.

Color Contrast Check

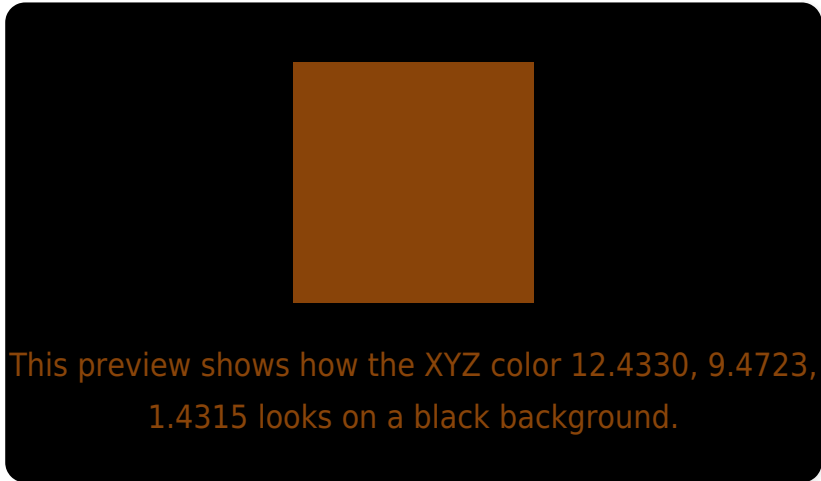
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.4330, 9.4723, 1.4315

Background



This preview shows how black text looks on a background with the XYZ color 12.4330, 9.4723, 1.4315.



This preview shows how white text looks on a background with the XYZ color 12.4330, 9.4723,

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

12.4330, 9.4723, 1.4315

Protanopia

8.7215, 9.6666, 1.8581

Deuteranopia

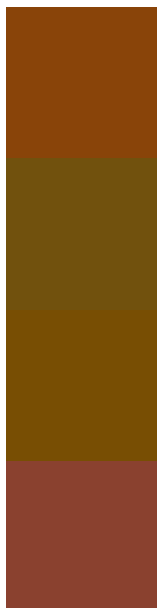
9.6488, 9.5660, 1.3379



Tritanopia

13.4684, 9.4613, 6.5852

Trichromacy



Original Color

12.4330, 9.4723, 1.4315

Protanomaly

9.8251, 9.4246, 1.6821

Deuteranomaly

10.4866, 9.4484, 1.3572

Tritanomaly

12.8846, 9.3891, 3.8225

Monochromacy



Original Color

12.4330, 9.4723, 1.4315

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.8230, 8.4084, 4.7724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4330, 9.4723, 1.4315 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(137, 68, 9)` looks like.

```
.text, #text, p{  
    color:rgb(137, 68, 9)  
}
```

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(137, 68, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 68, 9) }
```

Border

The CSS property to change the border of an element to XYZ 12.4330, 9.4723, 1.4315 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(137, 68, 9) }
```


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

```
.border{ border-color:rgb(137, 68, 9) }
```

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

Here you see how a box with a 4 pixel rgb(137, 68, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 68, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 68, 9);  
box-shadow:4px 4px 4px 4px rgb(137, 68, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4330, 9.4723, 1.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 68, 9) }
```

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

```
.background{ background-color: rgb(137, 68,  
9) }
```

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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