

Converting Colors

XYZ(12.2266, 9.3089, 2.9525)

Have a look what the booklet for
XYZ(12.2266, 9.3089, 2.9525)
contains.

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Color

**XYZ(12.2485, 9.3425,
2.9914)**

Conversions

Conversions Part 1

Format	Color
Hex	864426
RGB	134, 68, 38
RGB Percent	53%, 27%, 15%
CMY	0.4745, 0.7333, 0.8510
CMYK	0.00, 0.49, 0.72, 0.47
HSL	19°, 56%, 34%
HSV	19°, 72%, 53%
XYZ	12.2485, 9.3425, 2.9914
YIQ	84.3140, 48.9660, 4.6620

Conversions

Conversions Part 2

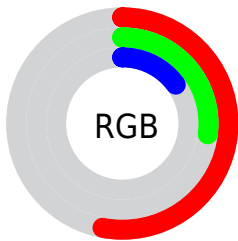
Format	Color
R_{YB}	134, 82, 38
Decimal	8799270
CIE _{Lab}	36.64, 25.68, 30.40
CIE _{LCh}	37, 39.793, 49.818
Yxy	9.3425, 0.4983, 0.3800
Android (android.graphics.Color)	4286989350 (0xFF864426)
YUV	84.3140, -22.8328, 43.5746
Hunter-Lab	30.5655, 18.0406, 15.5932

Details

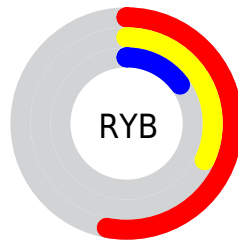
The XYZ color **12.2485, 9.3425, 2.9914** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.0523, 12.0332, 24.3470**, and the grayscale version is **8.5307, 8.9750, 9.7738**.

A 20% lighter version of the original color is **29.4474, 24.4390, 11.5527**, and **3.5114, 2.2361, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **11.5560, 8.2434, 1.8793**, and if you desaturate by 10%, it is **13.1069, 10.6489, 4.5431**.

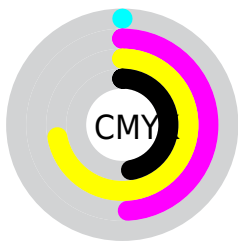
Distribution



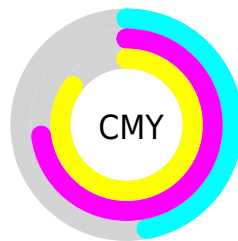
- Red (53%)
- Green (27%)
- Blue (15%)



- Red (53%)
- Yellow (32%)
- Blue (15%)



- Cyan (0%)
- Magenta (49%)
- Yellow (72%)
- Black (47%)



- Cyan (47%)
- Magenta (73%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2485, 9.3425, 2.9914 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 12.2485, 9.3425, 2.9914 by changing the saturation by 10% instead.

12.2485, 9.3425,
2.9914

12.2485, 9.3425,
2.9914

199.7800,
185.9128, 136.2510

6.9866, 4.9653,
1.0902

29.5598, 24.5512,
11.6072

3.4999, 2.2269,
0.0000

42.3399, 36.1515,
19.1589

1.4233, 0.7346,
0.0000

58.3568, 50.9283,
29.4313

0.2728, 0.0000,
0.0000

77.9758, 69.2659,
42.8428

0.0000, 0.0000,
0.0000

101.5623, 91.5487,
59.8120

129.4816,

118.1612, 80.7574

162.0990,
149.4878, 106.0975

12.2485, 9.3425,
2.9914

12.2485, 9.3425,
2.9914

11.5560, 8.2434,
1.8793

13.1069, 10.6489,
4.5431

11.0158, 7.3384,
1.1586

14.1419, 12.1718,
6.5748

10.6552, 6.7158,
0.7347

15.3639, 13.9214,
9.1228

16.7823, 15.9071,
12.2197

18.4058, 18.1373,
15.8955

■ 20.2426, 20.6203,
20.1778

■ 22.3003, 23.3639,
25.0926

■ 24.5862, 26.3756,
30.6643

■ 27.1073, 29.6625,
36.9161

Harmonies

Analogous

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



14.0407, 9.3425, 6.2766



12.2485, 9.3425, 2.9914



9.7316, 9.3425, 1.8682

Triad

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



12.2485, 9.3425, 2.9914



5.0292, 9.3425, 7.9856



10.5600, 9.3425, 28.6685

Complementary

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



12.2485, 9.3425, 2.9914



10.0523, 12.0332, 24.3470

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.



8.0792, 9.3425, 29.8451



12.2485, 9.3425, 2.9914



5.1695, 9.3425, 15.4171

Square

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



12.2485, 9.3425, 2.9914



5.7670, 9.3425, 3.7508



6.1934, 9.3425, 24.2033



12.9492, 9.3425, 21.4793

Rectangle

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



12.2485, 9.3425, 2.9914



8.1066, 9.3425, 1.8634



6.1934, 9.3425, 24.2033



9.7006, 9.3425, 29.8753

Sweetspot

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



12.2487, 9.3430, 2.9916



32.4841, 32.0307, 28.1321



13.0847, 7.4786, 14.1724



7.1618, 7.0026, 5.9790



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.



12.2487, 9.3430, 2.9916



19.7357, 13.4886, 2.4427



16.2893, 17.4242, 4.3384



4.7826, 4.9087, 4.9248



9.9943, 6.3113, 0.6914



0.0406, 0.0338, 0.0044

Inverse Universe

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



10.0523, 12.0332, 24.3470



15.5275, 18.3555, 42.4630



6.5755, 5.0794, 23.1880



4.6821, 5.0399, 5.9268



7.6387, 8.8253, 22.4375



0.0330, 0.0436, 0.0799

Previews

White Background



This preview shows how the XYZ color 12.2485, 9.3425, 2.9914 looks on a white background.

Color Contrast Check

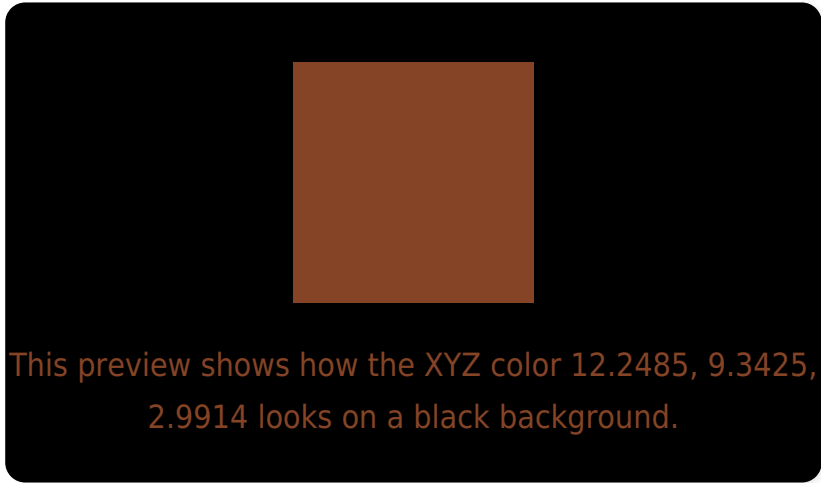
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2485, 9.3425, 2.9914

Background



This preview shows how black text looks on a background with the XYZ color 12.2485, 9.3425, 2.9914.



This preview shows how white text looks on a background with the XYZ color 12.2485, 9.3425,

2.9914.

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

12.2485, 9.3425, 2.9914

Protanopia

8.6867, 9.4850, 3.7558

Deuteranopia

9.5663, 9.4902, 2.8410



Tritanopia

13.0609, 9.3307, 6.7428

Trichromacy



Original Color

12.2485, 9.3425, 2.9914

Protanomaly

9.7170, 9.2195, 3.4579

Deuteranomaly

10.3639, 9.3520, 2.8490

Tritanomaly

12.6457, 9.2370, 5.1194

Monochromacy



Original Color

12.2485, 9.3425, 2.9914

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.2170, 8.6788, 6.4996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2485, 9.3425, 2.9914 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(134, 68, 38)` looks like.

```
.text, #text, p{  
    color:rgb(134, 68, 38)  
}
```

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(134, 68, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 68, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.2485, 9.3425, 2.9914 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(134, 68, 38) }
```


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

```
.border{ border-color:rgb(134, 68, 38) }
```

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

Here you see how a box with a 4 pixel rgb(134, 68, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 68, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 68, 38);  
box-shadow:4px 4px 4px 4px rgb(134, 68,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2485, 9.3425, 2.9914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 68, 38) }
```

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

```
.background{ background-color: rgb(134, 68,  
38) }
```

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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