

Converting Colors

XYZ(12.4840, 9.3225, 1.1674)

Have a look what the booklet for
XYZ(12.4840, 9.3225, 1.1674)
contains.

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Color

**XYZ(12.4349, 9.3019,
1.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4201
RGB	138, 66, 1
RGB Percent	54%, 26%, 0%
CMY	0.4588, 0.7412, 0.9961
CMYK	0.00, 0.52, 0.99, 0.46
HSL	28°, 99%, 27%
HSV	28°, 99%, 54%
XYZ	12.4349, 9.3019, 1.1688
YIQ	80.1180, 63.7770, -4.9510

Conversions

Conversions Part 2

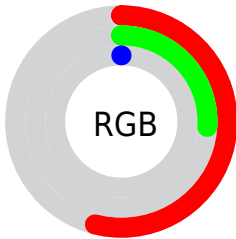
Format	Color
R_{YB}	138, 125, 1
Decimal	9060865
CIE Lab	36.56, 27.28, 46.50
CIE LCh	37, 53.911, 59.603
Yxy	9.3019, 0.5429, 0.4061
Android (android.graphics.Color)	4287250945 (0xFF8A4201)
YUV	80.1180, -39.0052, 50.7625
Hunter-Lab	30.4990, 19.4038, 19.0772

Details

The XYZ color **12.4349, 9.3019, 1.1688** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **6.9823, 6.6062, 24.9516**, and the grayscale version is **7.7134, 8.1151, 8.8373**.

A 20% lighter version of the original color is **29.8225, 24.3981, 6.6275**, and **3.6435, 2.2496, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **12.3989, 9.2389, 1.1298**, and if you desaturate by 10%, it is **12.9654, 10.2361, 1.7370**.

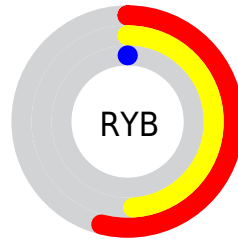
Distribution



Red (54%)

Green (26%)

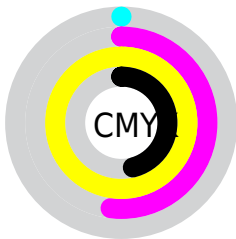
Blue (0%)



Red (54%)

Yellow (49%)

Blue (0%)

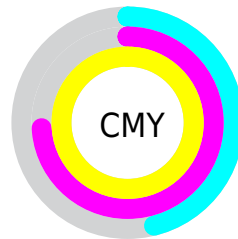


Cyan (0%)

Magenta (52%)

Yellow (99%)

Black (46%)



Cyan (46%)


Magenta (74%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4349, 9.3019, 1.1688 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 12.4349, 9.3019, 1.1688 by changing the saturation by 10% instead.


 12.4349, 9.3019,
1.1688


 12.4349, 9.3019,
1.1688


 200.9752,
185.6144, 107.7294


 7.1149, 4.9386,
0.0000


 29.8948, 24.4739,
6.6094


 3.5810, 2.2113,
0.0000

 42.7654, 36.0514,
11.9826


 1.4680, 0.7261,
0.0000

 58.8835, 50.8024,
19.6823

 0.3039, 0.0000,
0.0000

 78.6146, 69.1114,
30.1273


 0.0000, 0.0000,
0.0000


 102.3239, 91.3627,
43.7359


 130.3769,


117.9407, 60.9268


 163.1389,
149.2298, 82.1184


 12.4349, 9.3019,
1.1688


 12.4349, 9.3019,
1.1688


 12.3989, 9.2389,
1.1298

 12.9654, 10.2361,
1.7370

 13.6041, 11.3021,
2.6014

 14.3764, 12.5136,
3.8862

 15.2933, 13.8776,
5.6401

 16.3642, 15.4005,
7.9050

■ 17.5977, 17.0883,
10.7180

■ 19.0015, 18.9466,
14.1128

■ 20.5830, 20.9807,
18.1203

■ 22.3489, 23.1955,
22.7693

Harmonies

Analogous

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



15.5429, 9.3019, 3.5659



12.4349, 9.3019, 1.1688



8.8850, 9.3019, 0.6378

Triad

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



12.4349, 9.3019, 1.1688



3.9124, 9.3019, 10.0033



12.3399, 9.3019, 35.3768

Complementary

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



12.4349, 9.3019, 1.1688



6.9823, 6.6062, 24.9516

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.



8.7975, 9.3019, 41.0902



12.4349, 9.3019, 1.1688



4.4104, 9.3019, 21.9388

Square

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



12.4349, 9.3019, 1.1688



4.4380, 9.3019, 3.4587



6.0166, 9.3019, 35.0889



15.4792, 9.3019, 22.3044

Rectangle

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



12.4349, 9.3019, 1.1688



6.8882, 9.3019, 0.8562



6.0166, 9.3019, 35.0889



11.1323, 9.3019, 38.4835

Sweetspot

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



12.4351, 9.3024, 1.1690



33.1371, 32.9308, 23.9951



11.7303, 5.9203, 7.0150



7.2264, 7.1149, 4.8791



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.



12.4351, 9.3024, 1.1690



21.6995, 15.9732, 1.9394



18.9335, 22.2992, 3.3351



5.2158, 5.4144, 5.3226



11.3827, 8.4997, 1.0407



0.0901, 0.0854, 0.0117

Inverse Universe

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



6.9823, 6.6062, 24.9516



12.0716, 11.2054, 43.9098



4.6604, 1.9623, 24.1776



4.9779, 5.2987, 6.3662



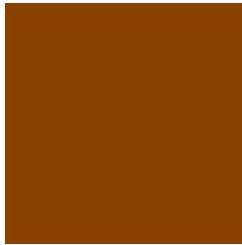
6.3765, 6.0233, 22.8722



0.0570, 0.0694, 0.1568

Previews

White Background



This preview shows how the XYZ color 12.4349, 9.3019, 1.1688 looks on a white background.

Color Contrast Check

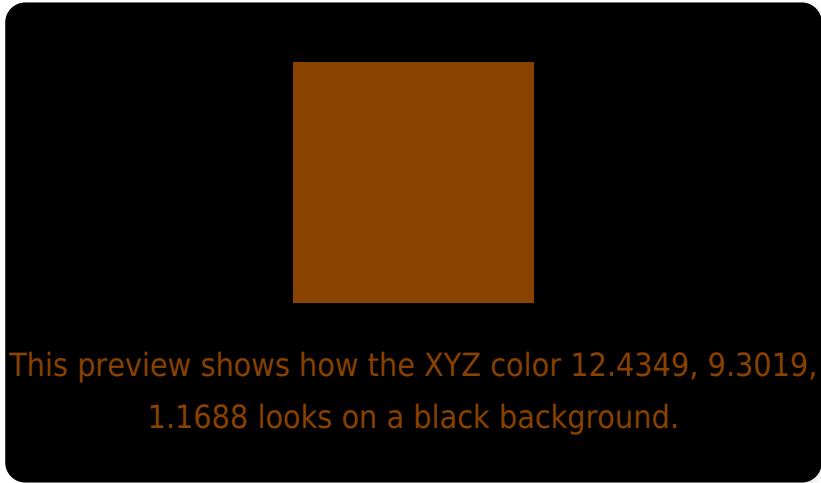
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4349, 9.3019, 1.1688

Background



This preview shows how black text looks on a background with the XYZ color 12.4349, 9.3019, 1.1688.



This preview shows how white text looks on a background with the XYZ color 12.4349, 9.3019,

1.1688.

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

12.4349, 9.3019, 1.1688

Protanopia

8.5116, 9.4396, 1.7212

Deuteranopia

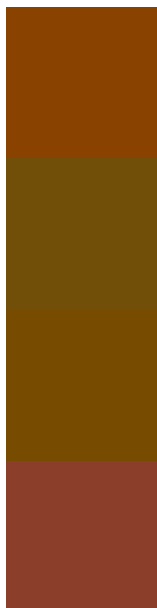
9.4477, 9.3496, 1.3067



Tritanopia

13.4673, 9.3063, 6.2407

Trichromacy



Original Color

12.4349, 9.3019, 1.1688

Protanomaly

9.6499, 9.1202, 1.4815

Deuteranomaly

10.3302, 9.1620, 1.2240

Tritanomaly

12.8429, 9.2111, 3.2915

Monochromacy



Original Color

12.4349, 9.3019, 1.1688

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.4804, 8.0379, 4.2365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4349, 9.3019, 1.1688 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(138, 66, 1)` looks like.

```
.text, #text, p{  
    color:rgb(138, 66, 1)  
}
```

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(138, 66, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 66, 1) }
```

Border

The CSS property to change the border of an element to XYZ 12.4349, 9.3019, 1.1688 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(138, 66, 1) }
```


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

```
.border{ border-color:rgb(138, 66, 1) }
```

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

Here you see how a box with a 4 pixel rgb(138, 66, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 66, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 66, 1);  
box-shadow:4px 4px 4px 4px rgb(138, 66, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4349, 9.3019, 1.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 66, 1) }
```

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

```
.background{ background-color: rgb(138, 66,  
1) }
```

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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