

Converting Colors

XYZ(12.8558, 9.1027, 0.5872)

Have a look what the booklet for
XYZ(12.8558, 9.1027, 0.5872)
contains.

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Color

**XYZ(12.9964, 9.1771,
1.0864)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3D00
RGB	143, 61, 0
RGB Percent	56%, 24%, 0%
CMY	0.4392, 0.7608, 1.0000
CMYK	0.00, 0.57, 1.00, 0.44
HSL	26°, 100%, 28%
HSV	26°, 100%, 56%
XYZ	12.9964, 9.1771, 1.0864
YIQ	78.5640, 68.4530, -1.5870

Conversions

Conversions Part 2

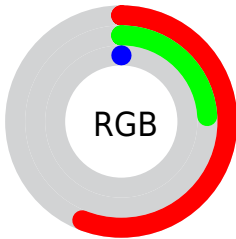
Format	Color
R_{YB}	143, 106, 0
Decimal	9387264
CIE _{Lab}	36.32, 32.06, 47.16
CIE _{LCh}	36, 57.022, 55.788
Yxy	9.1771, 0.5587, 0.3945
Android (android.graphics.Color)	4287577344 (0xFF8F3D00)
YUV	78.5640, -38.7321, 56.5104
Hunter-Lab	30.2937, 23.5648, 19.0793

Details

The XYZ color **12.9964, 9.1771, 1.0864** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.9750, 8.0173, 27.1135**, and the grayscale version is **7.4112, 7.7972, 8.4912**.

A 20% lighter version of the original color is **30.9329, 24.3133, 6.3114**, and **3.8660, 2.1706, 0.2152** is the 20% darker color. If you saturate the color by 10%, you get **12.9965, 9.1774, 1.0864**, and if you desaturate by 10%, it is **13.5496, 10.1536, 1.6720**.

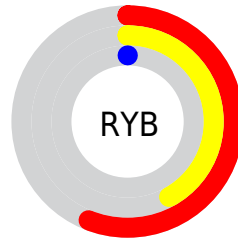
Distribution



Red (56%)

Green (24%)

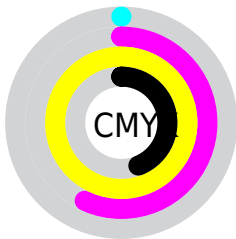
Blue (0%)



Red (56%)

Yellow (42%)

Blue (0%)

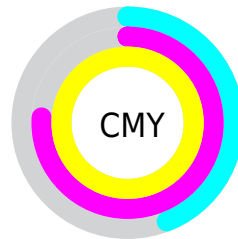


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (76%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9964, 9.1771, 1.0864 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 12.9964, 9.1771, 1.0864 by changing the saturation by 10% instead.


 12.9964, 9.1771,
1.0864


 12.9964, 9.1771,
1.0864


 204.5327,
184.6936, 106.0161

 7.5030, 4.8569,
0.0000


 30.8987, 24.2357,
6.3451


 3.8278, 2.1635,
0.0000

 44.0383, 35.7430,
11.5886


 1.6052, 0.7000,
0.0000

 60.4575, 50.4146,
19.1329

 0.3958, 0.0000,
0.0000


 80.5214, 68.6352,
29.3967


 0.0000, 0.0000,
0.0000

 104.5956, 90.7889,
42.7983


 133.0452,


117.2603, 59.7564


 166.2358,
148.4337, 80.6895


 12.9964, 9.1771,
1.0864


 12.9964, 9.1771,
1.0864


 12.9965, 9.1774,
1.0864

 13.5496, 10.1536,
1.6720

 14.2267, 11.2908,
2.5663

 15.0581, 12.6058,
3.9157

 16.0564, 14.1075,
5.7742

 17.2328, 15.8043,
8.1885

■ 18.5972, 17.7039,
11.1995

■ 20.1587, 19.8135,
14.8446

■ 21.9258, 22.1398,
19.1578

■ 23.9066, 24.6892,
24.1708

Harmonies

Analogous

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



16.1389, 9.1771, 3.8080



12.9964, 9.1771, 1.0864



9.2176, 9.1771, 0.4025

Triad

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



12.9964, 9.1771, 1.0864



3.6482, 9.1771, 8.6643



11.9291, 9.1771, 38.6057

Complementary

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



12.9964, 9.1771, 1.0864



7.9750, 8.0173, 27.1135

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.



8.2456, 9.1771, 43.3048



12.9964, 9.1771, 1.0864



4.0186, 9.1771, 20.7102

Square

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



12.9964, 9.1771, 1.0864



4.3155, 9.1771, 2.6764



5.5064, 9.1771, 35.2797



15.4176, 9.1771, 24.8808

Rectangle

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



12.9964, 9.1771, 1.0864



7.0434, 9.1771, 0.5422



5.5064, 9.1771, 35.2797



10.6494, 9.1771, 41.5646

Sweetspot

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



12.9966, 9.1776, 1.0866



35.9127, 35.2314, 26.1341



12.9051, 6.4706, 8.8372



7.9854, 7.7436, 5.4022



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.9966, 9.1776, 1.0866



23.1119, 16.1094, 1.8913



19.4550, 22.0945, 3.2394



5.5862, 5.7787, 5.7103



11.5115, 8.1548, 0.9673



0.1312, 0.1202, 0.0163

Inverse Universe

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



7.9750, 8.0173, 27.1135



14.1094, 14.0125, 48.4991



5.0884, 2.2442, 26.1513



5.3701, 5.7360, 6.8529



7.0724, 7.1308, 23.9807



0.0895, 0.1120, 0.2366

Previews

White Background



This preview shows how the XYZ color 12.9964, 9.1771, 1.0864 looks on a white background.

Color Contrast Check

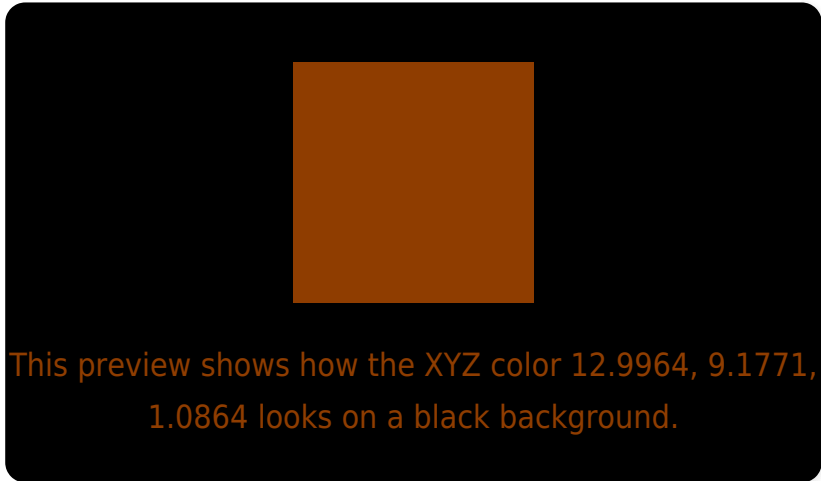
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9964, 9.1771, 1.0864

Background



This preview shows how black text looks on a background with the XYZ color 12.9964, 9.1771, 1.0864.



This preview shows how white text looks on a background with the XYZ color 12.9964, 9.1771,

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

12.9964, 9.1771, 1.0864

Protanopia

8.4172, 9.3895, 1.7842

Deuteranopia

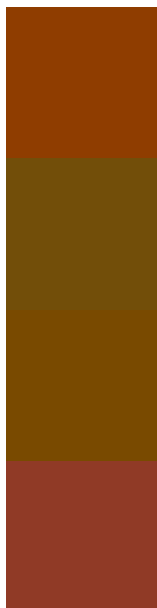
9.3240, 9.2858, 1.3009



Tritanopia

13.9558, 9.2722, 5.3291

Trichromacy



Original Color

12.9964, 9.1771, 1.0864

Protanomaly

9.7131, 9.0459, 1.4925

Deuteranomaly

10.3339, 8.9625, 1.1853

Tritanomaly

13.3645, 9.0953, 2.8849

Monochromacy



Original Color

12.9964, 9.1771, 1.0864

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.3726, 7.6898, 4.0606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9964, 9.1771, 1.0864 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(143, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 61, 0)  
}
```

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(143, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9964, 9.1771, 1.0864 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(143, 61, 0) }
```


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

```
.border{ border-color:rgb(143, 61, 0) }
```

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

Here you see how a box with a 4 pixel rgb(143, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9964, 9.1771, 1.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 61, 0) }
```

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

```
.background{ background-color: rgb(143, 61,  
0) }
```

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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