

# Converting Colors

XYZ(14.5881, 9.6747, 1.0985)

Have a look what the booklet for  
XYZ(14.5881, 9.6747, 1.0985)  
contains.

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# Color

**XYZ(14.6000, 9.6986,  
1.1025)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	993900
RGB	153, 57, 0
RGB Percent	60%, 22%, 0%
CMY	0.4000, 0.7764, 1.0000
CMYK	0.00, 0.63, 1.00, 0.40
HSL	22°, 100%, 30%
HSV	22°, 100%, 60%
XYZ	14.6000, 9.6986, 1.1025
YIQ	79.2060, 75.5130, 2.6250

# Conversions

## Conversions Part 2

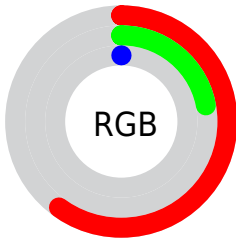
Format	Color
<a href="#">RYB</a>	153, 91, 0
Decimal	10041600
CIELab	37.30, 38.05, 48.62
CIELCh	37, 61.743, 51.951
Yxy	9.6986, 0.5748, 0.3818
Android (android.graphics.Color)	4288231680 (0xFF993900)
YUV	79.2060, -39.0486, 64.7173
Hunter-Lab	31.1426, 29.1834, 19.7008

# Details

The XYZ color **14.6000, 9.6986, 1.1025** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.9321, 10.6646, 31.6717**, and the grayscale version is **7.5345, 7.9269, 8.6324**.

A 20% lighter version of the original color is **33.7140, 25.2692, 6.3493**, and **4.6269, 2.4014, 0.2196** is the 20% darker color. If you saturate the color by 10%, you get **14.6002, 9.6991, 1.1026**, and if you desaturate by 10%, it is **15.2089, 10.7752, 1.7415**.

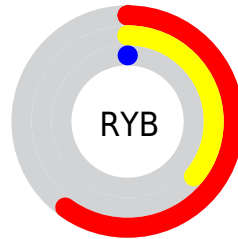
# Distribution



Red (60%)

Green (22%)

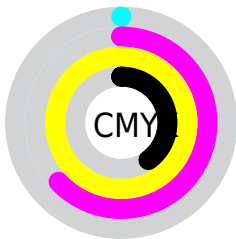
Blue (0%)



Red (60%)

Yellow (36%)

Blue (0%)

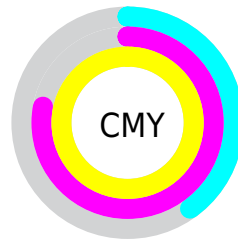


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (78%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6000, 9.6986, 1.1025 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 14.6000, 9.6986, 1.1025 by changing the saturation by 10% instead.





 14.6000, 9.6986,  
1.1025


 14.6000, 9.6986,  
1.1025


 214.3689,  
188.5072, 106.3561


 8.6236, 5.1996,  
0.0000


 33.7274, 25.2270,  
6.3972


 4.5516, 2.3648,  
0.0000

 47.6091, 37.0252,  
11.6664


 2.0187, 0.8077,  
0.0000

 64.8566, 52.0253,  
19.2416

 0.6444, 0.0000,  
0.0000

 85.8353, 70.6116,  
29.5413


 0.0000, 0.0000,  
0.0000

 110.9105, 93.1686,  
42.9841


 140.4476,


120.0805, 59.9884


 174.8120,  
151.7320, 80.9729


 14.6000, 9.6986,  
1.1025


 14.6000, 9.6986,  
1.1025


 14.6002, 9.6991,  
1.1026

 15.2089, 10.7752,  
1.7415

 15.9775, 12.0663,  
2.7559

 16.9402, 13.5932,  
4.3055

 18.1132, 15.3688,  
6.4552

 19.5107, 17.4049,  
9.2604

■ 21.1454, 19.7126,  
12.7701

■ 23.0289, 22.3020,  
17.0288

■ 25.1722, 25.1827,  
22.0769

■ 27.5853, 28.3641,  
27.9523

# Harmonies

## Analogous

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



17.9734, 9.6986, 4.4342



14.6000, 9.6986, 1.1025



10.2986, 9.6986, 0.2216

# Triad

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



14.6000, 9.6986, 1.1025



3.6435, 9.6986, 7.8512



12.2852, 9.6986, 45.1640

# Complementary

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



14.6000, 9.6986, 1.1025



9.9321, 10.6646, 31.6717

# 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.



8.2162, 9.6986, 48.7694



14.6000, 9.6986, 1.1025



3.9001, 9.6986, 20.6834

# Square

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



14.6000, 9.6986, 1.1025



4.5165, 9.6986, 2.1236



5.3542, 9.6986, 37.7573



16.3976, 9.6986, 29.8631



# Rectangle

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



14.6000, 9.6986, 1.1025



7.7632, 9.6986, 0.2726



5.3542, 9.6986, 37.7573



10.8446, 9.6986, 48.0747

# Sweetspot

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



14.6002, 9.6992, 1.1027



41.0295, 39.6509, 30.0052



15.2898, 7.6335, 11.9524



8.7633, 8.3502, 5.9480



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



14.6002, 9.6992, 1.1027



25.9826, 17.0404, 1.9197



21.4696, 23.4379, 3.3924



6.3879, 6.5809, 6.5394



12.0968, 8.0760, 0.9213



0.2139, 0.1868, 0.0248



# Inverse Universe

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



9.9321, 10.6646, 31.6717



17.6045, 18.7336, 56.6601



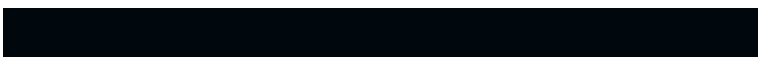
6.0070, 2.8145, 30.3633



6.1910, 6.6394, 7.8842



8.2414, 8.8794, 26.1872



0.1579, 0.2021, 0.4031



# Previews

## White Background



This preview shows how the XYZ color 14.6000, 9.6986, 1.1025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

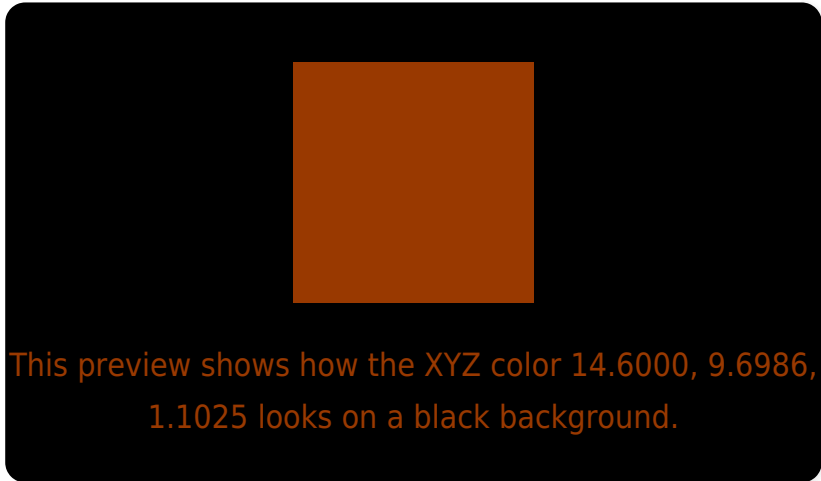
Any Text WCAG AA ✓ Pass

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

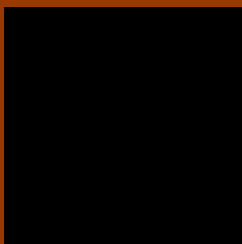
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 14.6000, 9.6986, 1.1025**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.6000, 9.6986, 1.1025.



This preview shows how white text looks on a background with the XYZ color 14.6000, 9.6986,



# 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

14.6000, 9.6986, 1.1025

### Protanopia

8.9141, 9.8886, 1.8908

### Deuteranopia

9.8524, 9.7854, 1.3695



## Tritanopia

15.3133, 9.7018, 4.8069

# Trichromacy



## Original Color

14.6000, 9.6986, 1.1025

## Protanomaly

10.3164, 9.2516, 1.5292

## Deuteranomaly

11.2012, 9.4096, 1.2259

## Tritanomaly

14.9640, 9.6357, 2.7403

# Monochromacy



## Original Color

14.6000, 9.6986, 1.1025

## Achromatopsia

7.4317, 7.8187, 8.5146

## Achromatomaly

8.7728, 7.8009, 4.0610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.6000, 9.6986, 1.1025 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(153, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 57, 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(153, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 57, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 14.6000, 9.6986, 1.1025 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(153, 57, 0) }
```



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

```
.border{ border-color:rgb(153, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 57, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 14.6000, 9.6986, 1.1025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 57, 0) }
```

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

```
.background{ background-color: rgb(153, 57,  
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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