

Converting Colors

XYZ(13.0003, 8.6476, 0.9162)

Have a look what the booklet for
XYZ(13.0003, 8.6476, 0.9162)
contains.

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Color

**XYZ(12.9962, 8.6581,
0.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	913600
RGB	145, 54, 0
RGB Percent	57%, 21%, 0%
CMY	0.4314, 0.7882, 1.0000
CMYK	0.00, 0.63, 1.00, 0.43
HSL	22°, 100%, 28%
HSV	22°, 100%, 57%
XYZ	12.9962, 8.6581, 0.9862
YIQ	75.0530, 71.5700, 2.4980

Conversions

Conversions Part 2

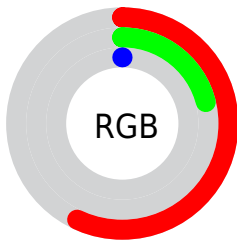
Format	Color
R_{YB}	145, 86, 0
Decimal	9516544
CIE Lab	35.32, 36.39, 46.79
CIE LCh	35, 59.276, 52.123
Yxy	8.6581, 0.5740, 0.3824
Android (android.graphics.Color)	4287706624 (0xFF913600)
YUV	75.0530, -37.0011, 61.3435
Hunter-Lab	29.4246, 27.3463, 18.6101

Details

The XYZ color **12.9962, 8.6581, 0.9862** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.8514, 9.5255, 28.1598**, and the grayscale version is **6.7535, 7.1052, 7.7376**.

A 20% lighter version of the original color is **31.0015, 23.2615, 5.9879**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **12.9963, 8.6585, 0.9863**, and if you desaturate by 10%, it is **13.5430, 9.6195, 1.5765**.

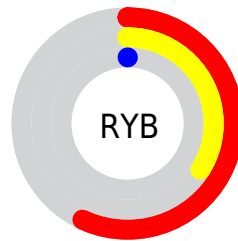
Distribution



Red (57%)

Green (21%)

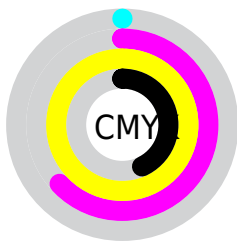
Blue (0%)



Red (57%)

Yellow (34%)

Blue (0%)

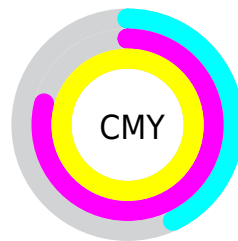


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (79%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9962, 8.6581, 0.9862 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 12.9962, 8.6581, 0.9862 by changing the saturation by 10% instead.


 12.9962, 8.6581,
0.9862


 12.9962, 8.6581,
0.9862


 204.5314,
180.8064, 103.8385


 7.5029, 4.5189,
0.0000


 30.8983, 23.2388,
6.0155


 3.8277, 1.9678,
0.0000

 44.0379, 34.4491,
11.0945

 1.6051, 0.5887,
0.0000

 60.4569, 48.7852,
18.4412

 0.3957, 0.0000,
0.0000

 80.5207, 66.6315,
28.4741


 0.0000, 0.0000,
0.0000


 104.5947, 88.3724,
41.6117


 133.0443,


114.3922, 58.2726


 166.2347,
145.0754, 78.8754


 12.9962, 8.6581,
0.9862


 12.9962, 8.6581,
0.9862


 12.9963, 8.6585,
0.9863

 13.5430, 9.6195,
1.5765

 14.2294, 10.7697,
2.4913

 15.0873, 12.1280,
3.8798

 16.1310, 13.7058,
5.7985

 17.3727, 15.5135,
8.2957

■ 18.8236, 17.5605,
11.4145

■ 20.4939, 19.8559,
15.1935

■ 22.3931, 22.4082,
19.6683

■ 24.5301, 25.2253,
24.8719

Harmonies

Analogous

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



16.0055, 8.6581, 3.9406



12.9962, 8.6581, 0.9862



9.1697, 8.6581, 0.1521

Triad

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



12.9962, 8.6581, 0.9862



3.2615, 8.6581, 7.0616



10.9806, 8.6581, 40.1268

Complementary

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



12.9962, 8.6581, 0.9862



8.8514, 9.5255, 28.1598

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.



7.3554, 8.6581, 43.4064



12.9962, 8.6581, 0.9862



3.4960, 8.6581, 18.5143

Square

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



12.9962, 8.6581, 0.9862



4.0339, 8.6581, 1.9231



4.7990, 8.6581, 33.6857



14.6338, 8.6581, 26.5015

Rectangle

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



12.9962, 8.6581, 0.9862



6.9166, 8.6581, 0.2054



4.7990, 8.6581, 33.6857



9.6983, 8.6581, 42.7353

Sweetspot

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



12.9964, 8.6586, 0.9863



36.5028, 35.2885, 26.7496



13.6014, 6.7895, 10.6807



7.8627, 7.4982, 5.3613



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.



12.9964, 8.6586, 0.9863



23.1197, 15.1961, 1.7146



19.0952, 20.8562, 3.0193



5.5632, 5.7326, 5.7027



11.1709, 7.4735, 0.8538



0.1267, 0.1112, 0.0148

Inverse Universe

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



8.8514, 9.5255, 28.1598



15.6806, 16.7167, 50.3737



5.3494, 2.5215, 26.9925



5.3937, 5.7832, 6.8608



7.6175, 8.2211, 24.1624



0.0940, 0.1210, 0.2381

Previews

White Background



This preview shows how the XYZ color 12.9962, 8.6581, 0.9862 looks on a white background.

Color Contrast Check

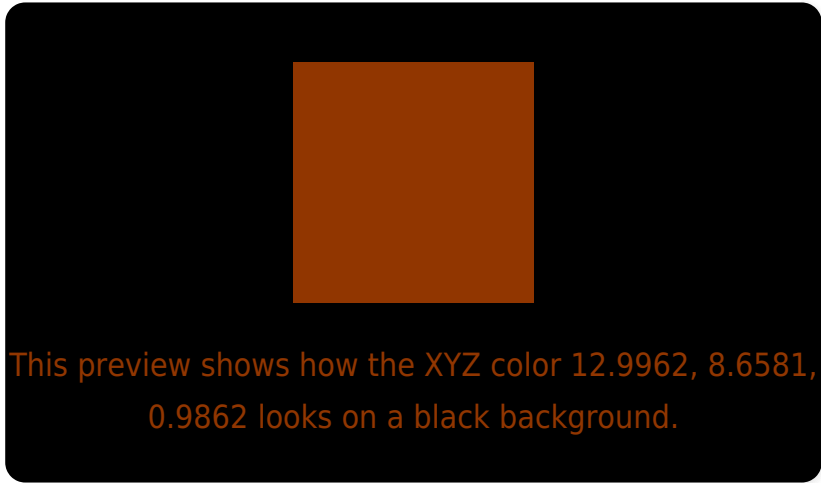
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9962, 8.6581, 0.9862

Background



This preview shows how black text looks on a background with the XYZ color 12.9962, 8.6581, 0.9862.



This preview shows how white text looks on a background with the XYZ color 12.9962, 8.6581,

0.9862.

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

12.9962, 8.6581, 0.9862

Protanopia

7.9759, 8.8080, 1.7317

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

13.6373, 8.6492, 4.3189

Trichromacy



Original Color

12.9962, 8.6581, 0.9862

Protanomaly

9.2474, 8.2977, 1.4014

Deuteranomaly

9.9990, 8.4995, 1.1136

Tritanomaly

13.3266, 8.5941, 2.4698

Monochromacy



Original Color

12.9962, 8.6581, 0.9862

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.7962, 6.9370, 3.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9962, 8.6581, 0.9862 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(145, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 54, 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(145, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 54, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9962, 8.6581, 0.9862 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(145, 54, 0) }
```


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

```
.border{ border-color:rgb(145, 54, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 54, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9962, 8.6581, 0.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 54, 0) }
```

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

```
.background{ background-color: rgb(145, 54,  
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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