

Converting Colors

XYZ(12.9491, 11.6327, 1.5628)

Have a look what the booklet for
XYZ(12.9491, 11.6327, 1.5628)
contains.

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Color

**XYZ(13.0007, 11.6421,
1.5619)**

Conversions

Conversions Part 1

Format	Color
Hex	855600
RGB	133, 86, 0
RGB Percent	52%, 34%, 0%
CMY	0.4784, 0.6627, 1.0000
CMYK	0.00, 0.35, 1.00, 0.48
HSL	39°, 100%, 26%
HSV	39°, 100%, 52%
XYZ	13.0007, 11.6421, 1.5619
YIQ	90.2490, 55.6180, -16.7820

Conversions

Conversions Part 2

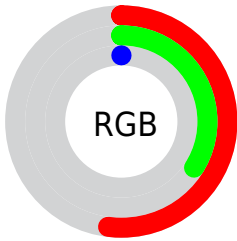
Format	Color
RYB	73, 133, 0
Decimal	8738304
CIELab	40.64, 13.48, 49.06
CIELCh	41, 50.879, 74.642
Yxy	11.6421, 0.4961, 0.4443
Android (android.graphics.Color)	4286928384 (0xFF855600)
YUV	90.2490, -44.4928, 37.4926
Hunter-Lab	34.1205, 8.3017, 21.1703

Details

The XYZ color **13.0007, 11.6421, 1.5619** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2502, 3.7264, 22.6329**, and the grayscale version is **9.8627, 10.3764, 11.2999**.

A 20% lighter version of the original color is **31.0285, 28.9801, 7.8292**, and **3.9348, 3.2056, 0.4114** is the 20% darker color. If you saturate the color by 10%, you get **13.0009, 11.6425, 1.5620**, and if you desaturate by 10%, it is **13.4633, 12.4479, 2.0842**.

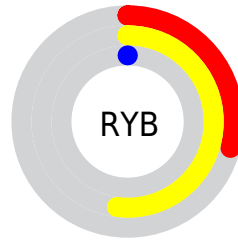
Distribution



Red (52%)

Green (34%)

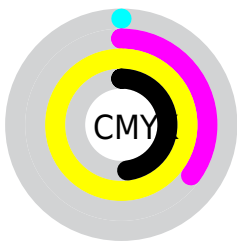
Blue (0%)



Red (29%)

Yellow (52%)

Blue (0%)

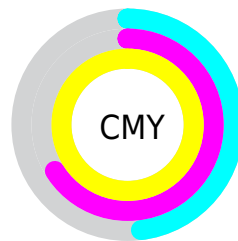


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (66%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0007, 11.6421, 1.5619 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 13.0007, 11.6421, 1.5619 by changing the saturation by 10% instead.

 13.0007, 11.6421,
1.5619


 13.0007, 11.6421,
1.5619


 204.5597,
202.0213, 115.1533


 7.5060, 6.5005,
0.2634


 30.9063, 28.8416,
7.8042


 3.8297, 3.1517,
0.0000

 44.0480, 41.6682,
13.7412

 1.6062, 1.2114,
0.0000

 60.4694, 57.8253,
22.1135

 0.3965, 0.0710,
0.0000


 80.5359, 77.6972,
33.3397


 0.0000, 0.0000,
0.0000


 104.6128,
101.6684, 47.8382


 133.0655,


130.1232, 66.0276


 166.2593,
163.4460, 88.3264


 13.0007, 11.6421,
1.5619


 13.0007, 11.6421,
1.5619


 13.0009, 11.6425,
1.5620

 13.4633, 12.4479,
2.0842

 13.9947, 13.3211,
2.8466

 14.6213, 14.2732,
3.9832

 15.3516, 15.3084,
5.5384

 16.1935, 16.4306,
7.5502

■ 17.1537, 17.6431,
10.0526

■ 18.2383, 18.9490,
13.0760

■ 19.4532, 20.3512,
16.6486

■ 20.8035, 21.8524,
20.7963

Harmonies

Analogous

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



16.7537, 11.6421, 3.2290



13.0007, 11.6421, 1.5619



9.4072, 11.6421, 1.5461

Triad

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



13.0007, 11.6421, 1.5619



5.6309, 11.6421, 18.3731



16.6732, 11.6421, 32.6448

Complementary

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



13.0007, 11.6421, 1.5619



5.2502, 3.7264, 22.6329

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.



12.9080, 11.6421, 43.1322



13.0007, 11.6421, 1.5619



6.8370, 11.6421, 32.3170

Square

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



13.0007, 11.6421, 1.5619



5.6452, 11.6421, 8.1196



9.3325, 11.6421, 42.9874



19.1669, 11.6421, 18.6810

Rectangle

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



13.0007, 11.6421, 1.5619



7.5804, 11.6421, 2.3645



9.3325, 11.6421, 42.9874



15.4823, 11.6421, 36.9619

Sweetspot

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



13.0010, 11.6427, 1.5621



32.5211, 33.7684, 23.0155



10.2224, 5.2064, 3.3463



7.1657, 7.4160, 4.7298



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.



13.0010, 11.6427, 1.5621



23.1303, 20.5462, 2.7467



15.4929, 20.4380, 3.1284



4.9049, 5.1534, 4.9656



12.3913, 11.1052, 1.4904



0.0498, 0.0523, 0.0075

Inverse Universe

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



5.2502, 3.7264, 22.6329



9.2650, 6.3994, 40.4853



4.4782, 1.8196, 22.3055



4.5592, 4.7939, 5.8858



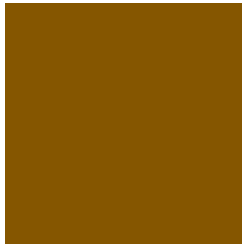
5.0079, 3.5635, 21.5606



0.0238, 0.0251, 0.0768

Previews

White Background



This preview shows how the XYZ color 13.0007, 11.6421, 1.5619 looks on a white background.

Color Contrast Check

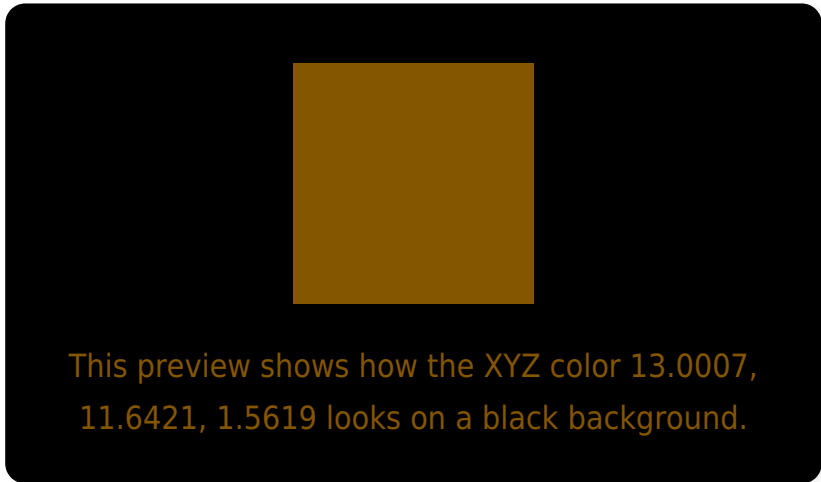
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0007, 11.6421, 1.5619

Background



This preview shows how black text looks on a background with the XYZ color 13.0007, 11.6421, 1.5619.



This preview shows how white text looks on a background with the XYZ color 13.0007, 11.6421,

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

13.0007, 11.6421, 1.5619

Protanopia

10.6307, 11.8203, 1.9797

Deuteranopia

11.7671, 11.6197, 1.6226



Tritanopia

14.7017, 11.6434, 10.2766

Trichromacy



Original Color

13.0007, 11.6421, 1.5619

Protanomaly

11.4184, 11.6934, 1.8275

Deuteranomaly

12.1766, 11.5804, 1.5935

Tritanomaly

13.6986, 11.4613, 5.1047

Monochromacy



Original Color

13.0007, 11.6421, 1.5619

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.2548, 10.5043, 5.3580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0007, 11.6421, 1.5619 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(133, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 86, 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(133, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 86, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0007, 11.6421, 1.5619 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(133, 86, 0) }
```


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

```
.border{ border-color:rgb(133, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0007, 11.6421, 1.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 86, 0) }
```

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

```
.background{ background-color: rgb(133, 86,  
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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