

Converting Colors

XYZ(16.3171, 10.9199, 1.2477)

Have a look what the booklet for
XYZ(16.3171, 10.9199, 1.2477)
contains.

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Color

**XYZ(16.3667, 10.9146,
1.2441)**

Conversions

Conversions Part 1

Format	Color
Hex	A13D00
RGB	161, 61, 0
RGB Percent	63%, 24%, 0%
CMY	0.3686, 0.7608, 1.0000
CMYK	0.00, 0.62, 1.00, 0.37
HSL	23°, 100%, 32%
HSV	23°, 100%, 63%
XYZ	16.3667, 10.9146, 1.2441
YIQ	83.9460, 79.1810, 2.2290

Conversions

Conversions Part 2

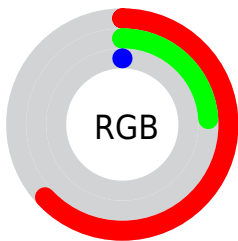
Format	Color
RYB	161, 98, 0
Decimal	10566912
CIELab	39.44, 39.22, 50.53
CIElCh	39, 63.968, 52.183
Yxy	10.9146, 0.5738, 0.3826
Android (android.graphics.Color)	4288756992 (0xFFA13D00)
YUV	83.9460, -41.3854, 67.5764
Hunter-Lab	33.0373, 30.6140, 20.8934

Details

The XYZ color **16.3667, 10.9146, 1.2441** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.9896, 11.6865, 35.3944**, and the grayscale version is **8.4875, 8.9295, 9.7243**.

A 20% lighter version of the original color is **36.8915, 27.5427, 6.8619**, and **5.4102, 2.8535, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **16.3669, 10.9151, 1.2442**, and if you desaturate by 10%, it is **17.0457, 12.1220, 1.9356**.

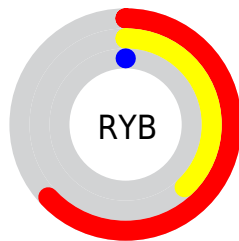
Distribution



Red (63%)

Green (24%)

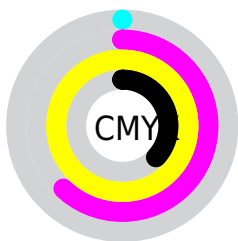
Blue (0%)



Red (63%)

Yellow (38%)

Blue (0%)

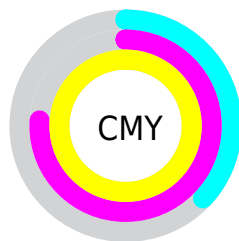


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3667, 10.9146, 1.2441 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 16.3667, 10.9146, 1.2441 by changing the saturation by 10% instead.


 16.3667, 10.9146,
1.2441


 16.3667, 10.9146,
1.2441


 224.7240,
197.0807, 109.2410


 9.8765, 6.0094,
0.0153


 36.7860, 27.5021,
6.8462


 5.3788, 2.8508,
0.0000

 51.4458, 39.9533,
12.3339


 2.5082, 1.0544,
0.0000

 69.5595, 55.6886,
20.1708

 0.8994, 0.0000,
0.0000

 91.4924, 75.0924,
30.7753


 0.0000, 0.0000,
0.0000


 117.6100, 98.5491,
44.5661


 148.2776,


126.4432, 61.9616


 183.8604,
159.1589, 83.3804


 16.3667, 10.9146,
1.2441


 16.3667, 10.9146,
1.2441


 16.3669, 10.9151,
1.2442

 17.0457, 12.1220,
1.9356

 17.9041, 13.5681,
3.0562

 18.9791, 15.2759,
4.7773

 20.2888, 17.2600,
7.1728

 21.8492, 19.5333,
10.3057

■ 23.6747, 22.1082,
14.2316

■ 25.7783, 24.9958,
19.0008

■ 28.1722, 28.2070,
24.6594

■ 30.8678, 31.7519,
31.2500

Harmonies

Analogous

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



20.1592, 10.9146, 4.9598



16.3667, 10.9146, 1.2441



11.5489, 10.9146, 0.3230

Triad

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



16.3667, 10.9146, 1.2441



4.1155, 10.9146, 8.9254



13.8484, 10.9146, 50.4999

Complementary

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



16.3667, 10.9146, 1.2441



10.9896, 11.6865, 35.3944

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.



9.2816, 10.9146, 54.6611



16.3667, 10.9146, 1.2441



4.4136, 10.9146, 23.3617

Square

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



16.3667, 10.9146, 1.2441



5.0861, 10.9146, 2.4364



6.0583, 10.9146, 42.4557



18.4457, 10.9146, 33.3386

Rectangle

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



16.3667, 10.9146, 1.2441



8.7132, 10.9146, 0.3822



6.0583, 10.9146, 42.4557



12.2335, 10.9146, 53.7926

Sweetspot

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



16.3669, 10.9152, 1.2443



45.9408, 44.4586, 33.5053



17.0945, 8.5357, 13.3084



9.7388, 9.2910, 6.5764



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.3669, 10.9152, 1.2443



29.1355, 19.1954, 2.1695



24.0078, 26.1970, 3.7912



7.2835, 7.5053, 7.4449



13.1086, 8.7912, 1.0060



0.3201, 0.2740, 0.0360

Inverse Universe

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



10.9896, 11.6865, 35.3944



19.4861, 20.5386, 63.3239



6.7098, 3.1269, 33.9678



7.0495, 7.5581, 8.9904



8.8172, 9.4138, 28.2821



0.2286, 0.2845, 0.6087

Previews

White Background



This preview shows how the XYZ color 16.3667, 10.9146, 1.2441 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



This preview shows how the XYZ color 16.3667, 10.9146, 1.2441 looks on a 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 16.3667, 10.9146, 1.2441

Background



This preview shows how black text looks on a background with the XYZ color 16.3667, 10.9146, 1.2441.



This preview shows how white text looks on a background with the XYZ color 16.3667, 10.9146,

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

16.3667, 10.9146, 1.2441

Protanopia

10.0401, 11.1070, 2.1049

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

17.1790, 10.9339, 5.4800

Trichromacy



Original Color

16.3667, 10.9146, 1.2441

Protanomaly

11.6763, 10.4921, 1.6969

Deuteranomaly

12.6275, 10.6603, 1.3921

Tritanomaly

16.7632, 10.8474, 3.0440

Monochromacy



Original Color

16.3667, 10.9146, 1.2441

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.9091, 8.8707, 4.5581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3667, 10.9146, 1.2441 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(161, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3667, 10.9146, 1.2441 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(161, 61, 0) }
```


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

```
.border{ border-color:rgb(161, 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(161, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3667, 10.9146, 1.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 61, 0) }
```

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

```
.background{ background-color: rgb(161, 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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