

Converting Colors

XYZ(12.9826, 22.3321, 3.6263)

Have a look what the booklet for
XYZ(12.9826, 22.3321, 3.6263)
contains.

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Color

**XYZ(13.0441, 22.4450,
3.6448)**

Conversions

Conversions Part 1

Format	Color
Hex	459400
RGB	69, 148, 0
RGB Percent	27%, 58%, 0%
CMY	0.7294, 0.4196, 1.0000
CMYK	0.53, 0.00, 1.00, 0.42
HSL	92°, 100%, 29%
HSV	92°, 100%, 58%
XYZ	13.0441, 22.4450, 3.6448
YIQ	107.5070, 0.4240, -62.7760

Conversions

Conversions Part 2

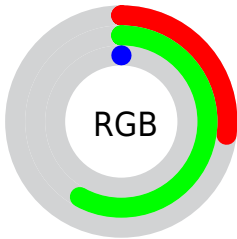
Format	Color
RYB	0, 148, 79
Decimal	4559872
CIELab	54.50, -45.96, 57.09
CIELCh	54, 73.287, 128.834
Yxy	22.4450, 0.3333, 0.5735
Android (android.graphics.Color)	4282749952 (0xFF459400)
YUV	107.5070, -53.0010, -33.7706
Hunter-Lab	47.3762, -33.7618, 28.6019

Details

The XYZ color **13.0441, 22.4450, 3.6448** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.5713, 3.8014, 28.3002**, and the grayscale version is **14.2600, 15.0027, 16.3379**.

A 20% lighter version of the original color is **31.0343, 47.5772, 13.1779**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **13.0441, 22.4457, 3.6450**, and if you desaturate by 10%, it is **13.7278, 22.7883, 4.1200**.

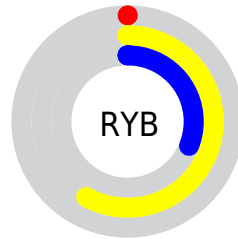
Distribution



Red (27%)

Green (58%)

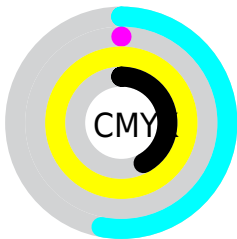
Blue (0%)



Red (0%)

Yellow (58%)

Blue (31%)

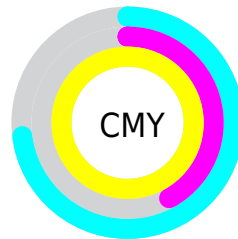


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (73%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0441, 22.4450, 3.6448 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 13.0441, 22.4450, 3.6448 by changing the saturation by 10% instead.

■ 13.0441, 22.4450,
3.6448

■ 13.0441, 22.4450,
3.6448

204.8320,
264.8614, 144.1915

■ 7.5361, 14.1842,
1.4326

■ 30.9836, 47.4804,
13.1819

■ 3.8489, 8.2489,
0.1669

■ 44.1459, 65.0238,
21.3439

■ 1.6170, 4.2546,
0.0000

■ 60.5903, 86.4303,
32.3262

■ 0.4035, 1.8170,
0.0000

■ 80.6822, 112.0841,
46.5473


■ 0.0000, 0.4977,
0.0000


■ 104.7870,
142.3697, 64.4259


■ 0.0000, 0.0000,
0.0000


■ 133.2700,


177.6716, 86.3804


 166.4965,
218.3740, 112.8294


 13.0441, 22.4450,
3.6448


 13.0441, 22.4450,
3.6448


 13.0441, 22.4457,
3.6450

 13.7278, 22.7883,
4.1200

 14.5481, 23.1945,
4.9127

 15.5369, 23.6774,
6.1750

 16.7078, 24.2426,
7.9653

 18.0726, 24.8952,
10.3335

■ 19.6421, 25.6397,
13.3237

■ 21.4259, 26.4803,
16.9758

■ 23.4331, 27.4208,
21.3263

■ 25.6722, 28.4650,
26.4090

Harmonies

Analogous

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



19.0495, 22.4450, 1.6137



13.0441, 22.4450, 3.6448



9.9336, 22.4450, 11.6998

Triad

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



13.0441, 22.4450, 3.6448



16.2311, 22.4450, 93.1883



40.5099, 22.4450, 18.2591

Complementary

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



13.0441, 22.4450, 3.6448



8.5713, 3.8014, 28.3002

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.



39.2081, 22.4450, 44.1280



13.0441, 22.4450, 3.6448



23.7927, 22.4450, 99.3171

Square

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



13.0441, 22.4450, 3.6448



11.4268, 22.4450, 63.9617



32.5503, 22.4450, 77.5810



35.7578, 22.4450, 5.8782

Rectangle

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



13.0441, 22.4450, 3.6448



9.3229, 22.4450, 23.5502



32.5503, 22.4450, 77.5810



40.7864, 22.4450, 25.3495

Sweetspot

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



13.0446, 22.4460, 3.6453



37.6014, 46.6262, 29.5265



15.0050, 11.8795, 1.5024



8.3001, 10.5103, 6.1510



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.0446, 22.4460, 3.6453



22.8199, 39.5022, 6.4220



10.6176, 21.1917, 3.6728



5.9712, 6.5930, 6.1983



11.1722, 19.1874, 3.1147



0.1702, 0.2521, 0.0397

Inverse Universe

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



8.5713, 3.8014, 28.3002



14.9220, 6.6030, 49.9226



17.1766, 8.2817, 26.7076



5.7774, 5.7762, 7.2802



7.3522, 3.2628, 24.1733



0.1240, 0.0575, 0.2975

Previews

White Background



This preview shows how the XYZ color 13.0441, 22.4450, 3.6448 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

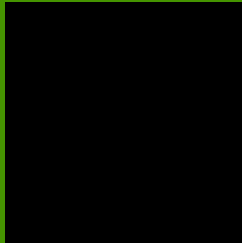
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0441, 22.4450, 3.6448

Background



This preview shows how black text looks on a background with the XYZ color 13.0441, 22.4450, 3.6448.



This preview shows how white text looks on a background with the XYZ color 13.0441, 22.4450,

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

13.0441, 22.4450, 3.6448

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.4216, 22.0462, 4.3019



Tritanopia

18.7297, 22.5205, 31.7935

Trichromacy



Original Color

13.0441, 22.4450, 3.6448

Protanomaly

16.4169, 21.7429, 3.3315

Deuteranomaly

17.4221, 21.2167, 3.7931

Tritanomaly

15.2182, 21.9661, 14.2643

Monochromacy



Original Color

13.0441, 22.4450, 3.6448

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.7732, 16.9753, 8.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0441, 22.4450, 3.6448 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(69, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 148, 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(69, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0441, 22.4450, 3.6448 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(69, 148, 0) }
```


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

```
.border{ border-color:rgb(69, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 148, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0441, 22.4450, 3.6448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 148, 0) }
```

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

```
.background{ background-color: rgb(69, 148,  
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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