

Converting Colors

XYZ(13.1142, 22.7991, 1.9317)

Have a look what the booklet for
XYZ(13.1142, 22.7991, 1.9317)
contains.

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Color

**XYZ(13.4199, 22.8726,
3.7076)**

Conversions

Conversions Part 1

Format	Color
Hex	489500
RGB	72, 149, 0
RGB Percent	28%, 58%, 0%
CMY	0.7177, 0.4157, 0.9999
CMYK	0.52, 0.00, 1.00, 0.42
HSL	91°, 100%, 29%
HSV	91°, 100%, 58%
XYZ	13.4199, 22.8726, 3.7076
YIQ	108.9910, 1.9370, -62.6630

Conversions

Conversions Part 2

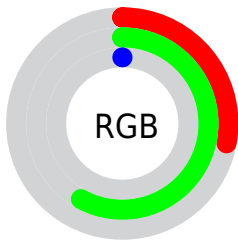
Format	Color
RYB	0, 149, 77
Decimal	4756736
CIELab	54.94, -45.42, 57.49
CIELCh	55, 73.265, 128.312
Yxy	22.8726, 0.3355, 0.5718
Android (android.graphics.Color)	4282946816 (0xFF489500)
YUV	108.9910, -53.7326, -32.4411
Hunter-Lab	47.8253, -33.6067, 28.8813

Details

The XYZ color **13.4199, 22.8726, 3.7076** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.4872, 3.7488, 28.7113**, and the grayscale version is **14.6815, 15.4461, 16.8208**.

A 20% lighter version of the original color is **31.7203, 48.2825, 13.2779**, and **4.2747, 8.5494, 1.4249** is the 20% darker color. If you saturate the color by 10%, you get **13.4198, 22.8733, 3.7077**, and if you desaturate by 10%, it is **14.1165, 23.2226, 4.1871**.

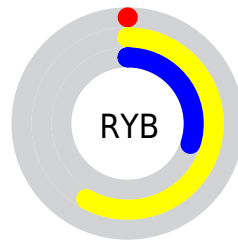
Distribution



Red (28%)

Green (58%)

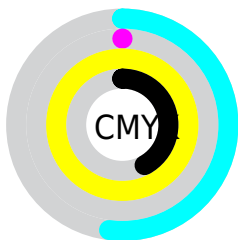
Blue (0%)



Red (0%)

Yellow (58%)

Blue (30%)

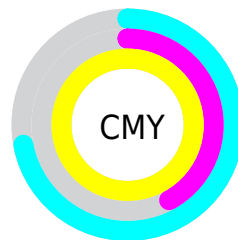


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (72%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4199, 22.8726, 3.7076 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 13.4199, 22.8726, 3.7076 by changing the saturation by 10% instead.

■ 13.4199, 22.8726,
3.7076

■ 13.4199, 22.8726,
3.7076

207.1752,
267.0700, 144.9177

■ 7.7973, 14.4995,
1.4663

■ 31.6511, 48.1841,
13.3296

■ 4.0162, 8.4689,
0.1927

■ 44.9903, 65.8912,
21.5474

■ 1.7113, 4.3964,
0.0000

■ 61.6325, 87.4784,
32.5945

■ 0.4633, 1.8977,
0.0000

■ 81.9431, 113.3301,
46.8893


■ 0.0000, 0.5470,
0.0000


■ 106.2872,
143.8307, 64.8506


■ 0.0000, 0.0000,
0.0000


■ 135.0304,


179.3647, 86.8967


 168.5379,
220.3163, 113.4462


 13.4199, 22.8726,
3.7076


 13.4199, 22.8726,
3.7076

 13.4198, 22.8733,
3.7077

 14.1165, 23.2226,
4.1871

 14.9480, 23.6343,
4.9899

 15.9461, 24.1215,
6.2694

 17.1244, 24.6900,
8.0849

 18.4948, 25.3447,
10.4872

■ 20.0678, 26.0901,
13.5211

■ 21.8531, 26.9303,
17.2272

■ 23.8598, 27.8691,
21.6426

■ 26.0963, 28.9102,
26.8016

Harmonies

Analogous

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



19.5581, 22.8726, 1.6826



13.4199, 22.8726, 3.7076



10.2123, 22.8726, 11.7566

Triad

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



13.4199, 22.8726, 3.7076



16.4611, 22.8726, 93.9300



41.1577, 22.8726, 18.9788

Complementary

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



13.4199, 22.8726, 3.7076



8.4872, 3.7488, 28.7113

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.



39.7327, 22.8726, 45.3743



13.4199, 22.8726, 3.7076



24.0779, 22.8726, 100.6200

Square

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



13.4199, 22.8726, 3.7076



11.6391, 22.8726, 64.2268



32.9375, 22.8726, 79.1100



36.4506, 22.8726, 6.1874

Rectangle

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



13.4199, 22.8726, 3.7076



9.5622, 22.8726, 23.6091



32.9375, 22.8726, 79.1100



41.3990, 22.8726, 26.2461

Sweetspot

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



13.4204, 22.8736, 3.7081



38.9256, 48.1286, 30.4042



15.0483, 11.6964, 1.4649



8.3491, 10.5356, 6.1533



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.



13.4204, 22.8736, 3.7081



23.8262, 40.8551, 6.6301



10.7618, 21.5014, 3.6547



5.9803, 6.5977, 6.1987



11.3282, 19.2678, 3.1220



0.1724, 0.2532, 0.0398

Inverse Universe

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



8.4872, 3.7488, 28.7113



14.9888, 6.6047, 51.4061



17.6240, 8.4817, 28.1149



5.7682, 5.7715, 7.2797



7.1767, 3.1723, 24.1651



0.1219, 0.0564, 0.2974

Previews

White Background



This preview shows how the XYZ color 13.4199, 22.8726, 3.7076 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



This preview shows how the XYZ color 13.4199, 22.8726, 3.7076 looks on a 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 13.4199, 22.8726, 3.7076

Background



This preview shows how black text looks on a background with the XYZ color 13.4199, 22.8726, 3.7076.



This preview shows how white text looks on a background with the XYZ color 13.4199, 22.8726,

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

13.4199, 22.8726, 3.7076

Protanopia

20.3290, 22.5285, 3.2770

Deuteranopia

22.9720, 22.5136, 4.4311



Tritanopia

19.1077, 22.7061, 32.2298

Trichromacy



Original Color

13.4199, 22.8726, 3.7076

Protanomaly

16.8342, 22.1700, 3.3920

Deuteranomaly

17.8739, 21.6509, 3.8988

Tritanomaly

15.4849, 22.1035, 14.2767

Monochromacy



Original Color

13.4199, 22.8726, 3.7076

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.1057, 17.3318, 8.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4199, 22.8726, 3.7076 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(72, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 149, 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(72, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4199, 22.8726, 3.7076 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(72, 149, 0) }
```


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

```
.border{ border-color:rgb(72, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 149, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4199, 22.8726, 3.7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 149, 0) }
```

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

```
.background{ background-color: rgb(72, 149,  
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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