

Converting Colors

XYZ(13.4809, 22.7363, 4.1237)

Have a look what the booklet for
XYZ(13.4809, 22.7363, 4.1237)
contains.

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Color

**XYZ(13.4238, 22.6308,
4.1126)**

Conversions

Conversions Part 1

Format	Color
Hex	49940F
RGB	73, 148, 15
RGB Percent	29%, 58%, 6%
CMY	0.7137, 0.4196, 0.9411
CMYK	0.51, 0.00, 0.90, 0.42
HSL	94°, 82%, 32%
HSV	94°, 90%, 58%
XYZ	13.4238, 22.6308, 4.1126
YIQ	110.4130, -2.0070, -57.2630

Conversions

Conversions Part 2

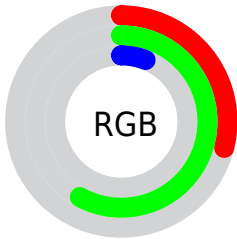
Format	Color
RYB	15, 148, 90
Decimal	4822031
CIELab	54.69, -44.31, 54.78
CIELCh	55, 70.456, 128.973
Yxy	22.6308, 0.3342, 0.5634
Android (android.graphics.Color)	4283012111 (0xFF49940F)
YUV	110.4130, -47.0386, -32.8112
Hunter-Lab	47.5718, -32.8817, 28.1746

Details

The XYZ color **13.4238, 22.6308, 4.1126** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.7341, 4.6544, 28.4036**, and the grayscale version is **15.0723, 15.8573, 17.2686**.

A 20% lighter version of the original color is **31.6792, 47.8870, 14.2301**, and **4.1954, 8.3722, 1.3949** is the 20% darker color. If you saturate the color by 10%, you get **12.7486, 22.2933, 3.6371**, and if you desaturate by 10%, it is **14.2454, 23.0382, 4.9116**.

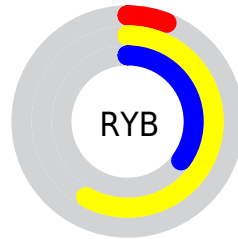
Distribution



 Red (29%)


 Green (58%)

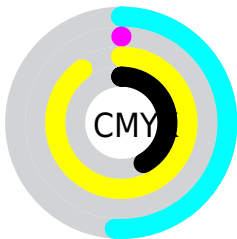
 Blue (6%)




 Red (6%)

 Yellow (58%)

 Blue (35%)

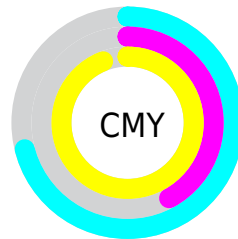


 Cyan (51%)


 Magenta (0%)

 Yellow (90%)

 Black (42%)



 Cyan (71%)

 Magenta (42%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4238, 22.6308, 4.1126 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 13.4238, 22.6308, 4.1126 by changing the saturation by 10% instead.

■ 13.4238, 22.6308,
4.1126

■ 13.4238, 22.6308,
4.1126

207.1993,
265.8230, 149.4688

■ 7.8000, 14.3211,
1.6873

■ 31.6580, 47.7864,
14.2686

■ 4.0180, 8.3444,
0.3520

■ 44.9991, 65.4011,
22.8365

■ 1.7123, 4.3161,
0.0000

■ 61.6433, 86.8863,
34.2889

■ 0.4640, 1.8519,
0.0000

■ 81.9561, 112.6263,
49.0444

■ 0.0000, 0.5192,
0.0000

■ 106.3027,
143.0056, 67.5217

■ 0.0000, 0.0000,
0.0000

■ 135.0486,

178.4086, 90.1391

168.5590,
219.2196, 117.3153

13.4238, 22.6308,
4.1126

13.4238, 22.6308,
4.1126

12.7486, 22.2933,
3.6371

14.2454, 23.0382,
4.9116

12.7397, 22.2888,
3.6307

15.2432, 23.5256,
6.1809

16.4318, 24.0997,
7.9793

17.8235, 24.7660,
10.3566

19.4293, 25.5290,
13.3570

■ 21.2594, 26.3933,
17.0203

■ 23.3232, 27.3629,
21.3828

■ 25.6297, 28.4415,
26.4785

■ 28.1870, 29.6328,
32.3389

Harmonies

Analogous

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



19.2656, 22.6308, 1.9455



13.4238, 22.6308, 4.1126



10.3720, 22.6308, 12.2685

Triad

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



13.4238, 22.6308, 4.1126



16.5879, 22.6308, 89.9229



39.8712, 22.6308, 18.5589

Complementary

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



13.4238, 22.6308, 4.1126



9.7341, 4.6544, 28.4036

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.



38.6599, 22.6308, 43.3744



13.4238, 22.6308, 4.1126



23.9221, 22.6308, 95.5413

Square

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



13.4238, 22.6308, 4.1126



11.8699, 22.6308, 62.4750



32.3257, 22.6308, 75.0317



35.3207, 22.6308, 6.3516

Rectangle

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



13.4238, 22.6308, 4.1126



9.7744, 22.6308, 23.8831



32.3257, 22.6308, 75.0317



40.1437, 22.6308, 25.4150

Sweetspot

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



13.4243, 22.6318, 4.1131



38.3169, 46.9476, 31.7037



15.8021, 13.3357, 2.1935



8.5045, 10.6030, 6.7359



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.



13.4243, 22.6318, 4.1131



22.2874, 39.2277, 6.3970



10.9291, 21.3390, 4.2847



5.9552, 6.5847, 6.1976



10.9116, 19.0530, 3.1025



0.1664, 0.2501, 0.0395

Inverse Universe

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



9.7341, 4.6544, 28.4036



15.5985, 6.9518, 49.9543



17.2183, 8.5717, 26.0844



5.7936, 5.7846, 7.2809



7.6796, 3.4316, 24.1886



0.1279, 0.0595, 0.2976

Previews

White Background



This preview shows how the XYZ color 13.4238, 22.6308, 4.1126 looks on a white background.

Color Contrast Check

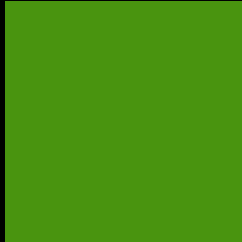
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4238, 22.6308, 4.1126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

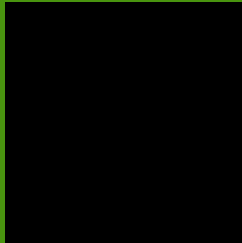
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4238, 22.6308, 4.1126

Background



This preview shows how black text looks on a background with the XYZ color 13.4238, 22.6308, 4.1126.



This preview shows how white text looks on a background with the XYZ color 13.4238, 22.6308,

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

13.4238, 22.6308, 4.1126

Protanopia

20.0481, 22.1815, 3.3971

Deuteranopia

22.7920, 22.4176, 4.5646



Tritanopia

19.0275, 22.6740, 31.8074

Trichromacy



Original Color

13.4238, 22.6308, 4.1126

Protanomaly

16.7407, 21.9041, 3.6040

Deuteranomaly

17.9341, 21.6749, 4.2157

Tritanomaly

15.8110, 22.2445, 15.5169

Monochromacy



Original Color

13.4238, 22.6308, 4.1126

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.4074, 17.4647, 9.3210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4238, 22.6308, 4.1126 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(73, 148, 15)` looks like.

```
.text, #text, p{  
    color:rgb(73, 148, 15)  
}
```

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(73, 148, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 148, 15) }
```

Border

The CSS property to change the border of an element to XYZ 13.4238, 22.6308, 4.1126 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(73, 148, 15) }
```


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

```
.border{ border-color:rgb(73, 148, 15) }
```

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

Here you see how a box with a 4 pixel rgb(73, 148, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 148, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 148, 15);  
box-shadow:4px 4px 4px 4px rgb(73, 148,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4238, 22.6308, 4.1126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 148, 15) }
```

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

```
.background{ background-color: rgb(73, 148,  
15) }
```

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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