

Converting Colors

XYZ(12.5080, 22.7452, 3.7310)

Have a look what the booklet for
XYZ(12.5080, 22.7452, 3.7310)
contains.

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Color

**XYZ(12.4277, 22.5970,
3.7066)**

Conversions

Conversions Part 1

Format	Color
Hex	369600
RGB	54, 150, 0
RGB Percent	21%, 59%, 0%
CMY	0.7882, 0.4118, 1.0000
CMYK	0.64, 0.00, 1.00, 0.41
HSL	98°, 100%, 29%
HSV	98°, 100%, 59%
XYZ	12.4277, 22.5970, 3.7066
YIQ	104.1960, -9.0660, -67.0020

Conversions

Conversions Part 2

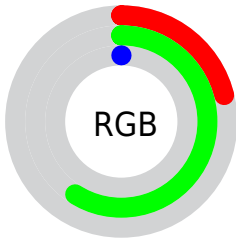
Format	Color
RYB	0, 150, 96
Decimal	3577344
CIELab	54.65, -50.77, 57.00
CIELCh	55, 76.331, 131.691
Yxy	22.5970, 0.3209, 0.5834
Android (android.graphics.Color)	4281767424 (0xFF369600)
YUV	104.1960, -51.3686, -44.0219
Hunter-Lab	47.5363, -36.5222, 28.6523

Details

The XYZ color **12.4277, 22.5970, 3.7066** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.3306, 4.6898, 29.2162**, and the grayscale version is **13.3468, 14.0419, 15.2916**.

A 20% lighter version of the original color is **29.8449, 47.6697, 13.2584**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **12.4278, 22.5978, 3.7068**, and if you desaturate by 10%, it is **13.0816, 22.9248, 4.1878**.

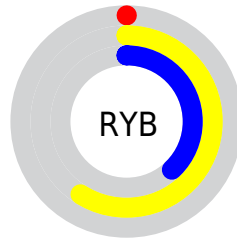
Distribution



Red (21%)

Green (59%)

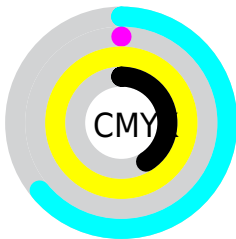
Blue (0%)



Red (0%)

Yellow (59%)

Blue (38%)

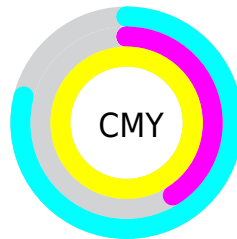


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (79%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4277, 22.5970, 3.7066 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 12.4277, 22.5970, 3.7066 by changing the saturation by 10% instead.


 12.4277, 22.5970,
3.7066


 12.4277, 22.5970,
3.7066

200.9292,
265.6483, 144.9062


 7.1099, 14.2962,
1.4658


 29.8819, 47.7307,
13.3272


 3.5779, 8.3270,
0.1923


 42.7490, 65.3325,
21.5442


 1.4662, 4.3049,
0.0000

 58.8632, 86.8034,
32.5902

 0.3027, 1.8455,
0.0000

 78.5900, 112.5278,
46.8839


 0.0000, 0.5153,
0.0000

 102.2946,
142.8901, 64.8438

 0.0000, 0.0000,
0.0000


 130.3424,


178.2746, 86.8885


 163.0988,
219.0659, 113.4364


 12.4277, 22.5970,
3.7066


 12.4277, 22.5970,
3.7066


 12.4278, 22.5978,
3.7068

 13.0816, 22.9248,
4.1878

 13.9043, 23.3318,
4.9997

 14.9306, 23.8333,
6.2971

 16.1768, 24.4362,
8.1406

 17.6573, 25.1469,
10.5819

■ 19.3849, 25.9710,
13.6668

■ 21.3714, 26.9137,
17.4364

■ 23.6281, 27.9800,
21.9287

■ 26.1651, 29.1743,
27.1786

Harmonies

Analogous

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



18.3688, 22.5970, 1.4195



12.4277, 22.5970, 3.7066



9.5048, 22.5970, 12.7472

Triad

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



12.4277, 22.5970, 3.7066



16.7935, 22.5970, 99.8134



41.4912, 22.5970, 16.3721

Complementary

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



12.4277, 22.5970, 3.7066



10.3306, 4.6898, 29.2162

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.



40.7472, 22.5970, 42.1814



12.4277, 22.5970, 3.7066



24.9191, 22.5970, 103.3701

Square

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



12.4277, 22.5970, 3.7066



11.5345, 22.5970, 69.9672



34.1090, 22.5970, 77.8226



35.9352, 22.5970, 4.8816

Rectangle

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



12.4277, 22.5970, 3.7066



9.0418, 22.5970, 25.9943



34.1090, 22.5970, 77.8226



42.0020, 22.5970, 23.2647

Sweetspot

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



12.4282, 22.5980, 3.7071



37.4914, 47.3892, 30.3371



16.6710, 14.6698, 1.9532



8.0037, 10.3576, 6.1371



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.



12.4282, 22.5980, 3.7071



21.7557, 39.7877, 6.5332



11.0333, 21.8643, 4.3010



5.9149, 6.5640, 6.1957



10.3396, 18.7581, 3.0757



0.1567, 0.2451, 0.0391

Inverse Universe

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



10.3306, 4.6898, 29.2162



18.0333, 8.1742, 51.5486



16.6079, 8.0964, 21.8079



5.8349, 5.8059, 7.2828



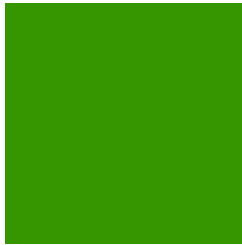
8.6030, 3.9076, 24.2318



0.1376, 0.0645, 0.2981

Previews

White Background



This preview shows how the XYZ color 12.4277, 22.5970, 3.7066 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 12.4277, 22.5970, 3.7066 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 12.4277, 22.5970, 3.7066

Background



This preview shows how black text looks on a background with the XYZ color 12.4277, 22.5970, 3.7066.



This preview shows how white text looks on a background with the XYZ color 12.4277, 22.5970,

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

12.4277, 22.5970, 3.7066

Protanopia

20.0153, 22.1683, 3.2240

Deuteranopia

22.6535, 22.1627, 4.4504



Tritanopia

18.1268, 22.4051, 32.6474

Trichromacy



Original Color

12.4277, 22.5970, 3.7066

Protanomaly

15.7557, 21.4020, 3.3006

Deuteranomaly

16.8260, 21.1107, 3.8498

Tritanomaly

14.5323, 21.8290, 14.5138

Monochromacy



Original Color

12.4277, 22.5970, 3.7066

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.6585, 16.0465, 7.6371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4277, 22.5970, 3.7066 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(54, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 150, 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(54, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4277, 22.5970, 3.7066 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(54, 150, 0) }
```


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

```
.border{ border-color:rgb(54, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 150, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4277, 22.5970, 3.7066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 150, 0) }
```

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

```
.background{ background-color: rgb(54, 150,  
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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