

Converting Colors

XYZ(13.4242, 22.9664, 1.8946)

Have a look what the booklet for
XYZ(13.4242, 22.9664, 1.8946)
contains.

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Color

**XYZ(13.7279, 23.0314,
3.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9500
RGB	76, 149, 0
RGB Percent	30%, 58%, 0%
CMY	0.7020, 0.4157, 0.9999
CMYK	0.49, 0.00, 1.00, 0.42
HSL	89°, 100%, 29%
HSV	89°, 100%, 58%
XYZ	13.7279, 23.0314, 3.7220
YIQ	110.1870, 4.3210, -61.8150

Conversions

Conversions Part 2

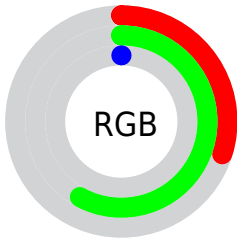
Format	Color
RYB	0, 149, 73
Decimal	5018880
CIELab	55.10, -44.15, 57.69
CIELCh	55, 72.642, 127.428
Yxy	23.0314, 0.3391, 0.5689
Android (android.graphics.Color)	4283208960 (0xFF4C9500)
YUV	110.1870, -54.3222, -29.9820
Hunter-Lab	47.9910, -32.9242, 28.9954

Details

The XYZ color **13.7279, 23.0314, 3.7220** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.1742, 3.5875, 28.6967**, and the grayscale version is **15.0261, 15.8086, 17.2156**.

A 20% lighter version of the original color is **32.1828, 48.5209, 13.2995**, and **4.3623, 8.5946, 1.4290** is the 20% darker color. If you saturate the color by 10%, you get **13.7279, 23.0321, 3.7221**, and if you desaturate by 10%, it is **14.4274, 23.3828, 4.2016**.

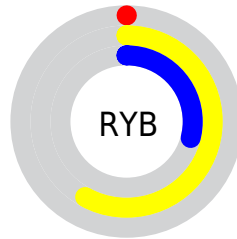
Distribution



Red (30%)

Green (58%)

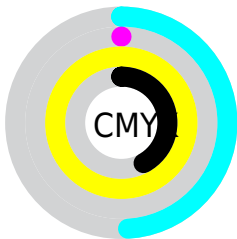
Blue (0%)



Red (0%)

Yellow (58%)

Blue (29%)

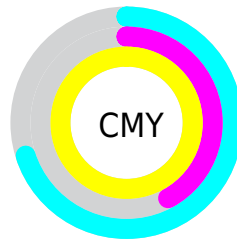


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (70%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7279, 23.0314, 3.7220 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 13.7279, 23.0314, 3.7220 by changing the saturation by 10% instead.

■ 13.7279, 23.0314,
3.7220

■ 13.7279, 23.0314,
3.7220

209.0761,
267.8862, 145.0834

■ 8.0121, 14.6167,
1.4741

■ 32.1958, 48.4449,
13.3634

■ 4.1546, 8.5508,
0.1985

■ 45.6785, 66.2124,
21.5939

■ 1.7899, 4.4494,
0.0000

■ 62.4810, 87.8664,
32.6558

■ 0.5116, 1.9280,
0.0000

■ 82.9685, 113.7912,
46.9674


■ 0.0000, 0.5651,
0.0000


■ 107.5064,
144.3712, 64.9475


■ 0.0000, 0.0000,
0.0000


■ 136.4601,


179.9907, 87.0145


 170.1949,
221.0343, 113.5869


 13.7279, 23.0314,
3.7220


 13.7279, 23.0314,
3.7220


 13.7279, 23.0321,
3.7221

 14.4274, 23.3828,
4.2016

 15.2551, 23.7926,
5.0043

 16.2426, 24.2744,
6.2832

 17.4030, 24.8337,
8.0978

 18.7478, 25.4752,
10.4989

■ 20.2874, 26.2033,
13.5313

■ 22.0309, 27.0220,
17.2354

■ 23.9873, 27.9349,
21.6484

■ 26.1645, 28.9454,
26.8046

Harmonies

Analogous

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



19.9393, 23.0314, 1.7594



13.7279, 23.0314, 3.7220



10.4339, 23.0314, 11.5632

Triad

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



13.7279, 23.0314, 3.7220



16.4432, 23.0314, 92.8701



41.2369, 23.0314, 19.7443

Complementary

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



13.7279, 23.0314, 3.7220



8.1742, 3.5875, 28.6967

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.



39.6387, 23.0314, 46.3745



13.7279, 23.0314, 3.7220



23.9653, 23.0314, 100.3399

Square

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



13.7279, 23.0314, 3.7220



11.7106, 23.0314, 63.0981



32.7788, 23.0314, 79.7466



36.7236, 23.0314, 6.5700

Rectangle

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



13.7279, 23.0314, 3.7220



9.7323, 23.0314, 23.1298



32.7788, 23.0314, 79.7466



41.4125, 23.0314, 27.1311

Sweetspot

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



13.7284, 23.0324, 3.7225



39.2491, 48.2953, 30.4193



14.7141, 11.0278, 1.3534



8.4274, 10.5760, 6.1569



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.



13.7284, 23.0324, 3.7225



24.3753, 41.1382, 6.6558



10.7793, 21.5120, 3.5845



5.9947, 6.6051, 6.1994



11.5878, 19.4016, 3.1341



0.1758, 0.2550, 0.0400

Inverse Universe

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



8.1742, 3.5875, 28.6967



14.4304, 6.3169, 51.3800



17.3719, 8.3291, 29.1272



5.7538, 5.7641, 7.2791



6.9130, 3.0363, 24.1528



0.1184, 0.0546, 0.2972

Previews

White Background



This preview shows how the XYZ color 13.7279, 23.0314, 3.7220 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 13.7279, 23.0314, 3.7220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

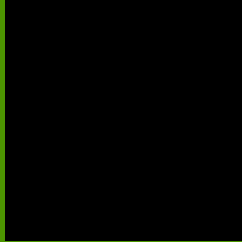
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7279, 23.0314, 3.7220

Background



This preview shows how black text looks on a background with the XYZ color 13.7279, 23.0314, 3.7220.



This preview shows how white text looks on a background with the XYZ color 13.7279, 23.0314,

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

13.7279, 23.0314, 3.7220

Protanopia

20.4640, 22.7984, 3.3220

Deuteranopia

23.0850, 22.7603, 4.4048



Tritanopia

19.4174, 22.8658, 32.2443

Trichromacy



Original Color

13.7279, 23.0314, 3.7220

Protanomaly

17.1145, 22.3145, 3.4051

Deuteranomaly

18.3155, 22.0838, 3.9134

Tritanomaly

15.8584, 22.2961, 14.2942

Monochromacy



Original Color

13.7279, 23.0314, 3.7220

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3501, 17.4542, 8.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7279, 23.0314, 3.7220 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(76, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7279, 23.0314, 3.7220 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(76, 149, 0) }
```


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

```
.border{ border-color:rgb(76, 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(76, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 149, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7279, 23.0314, 3.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 149, 0) }
```

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

```
.background{ background-color: rgb(76, 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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