

Converting Colors

XYZ(15.9336, 22.1357, 3.4328)

Have a look what the booklet for
XYZ(15.9336, 22.1357, 3.4328)
contains.

XYZ(15.9336, 22.1357, 3.4328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9336, 22.1357,
3.4328)**

Conversions

Conversions Part 1

Format	Color
Hex	6F8C00
RGB	111, 140, 0
RGB Percent	44%, 55%, 0%
CMY	0.5647, 0.4510, 1.0000
CMYK	0.21, 0.00, 1.00, 0.45
HSL	72°, 100%, 27%
HSV	72°, 100%, 55%
XYZ	15.9336, 22.1357, 3.4328
YIQ	115.3690, 27.6560, -49.6880

Conversions

Conversions Part 2

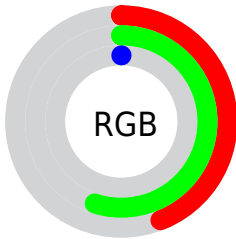
Format	Color
RYB	0, 140, 29
Decimal	7310336
CIELab	54.17, -26.77, 57.80
CIELCh	54, 63.698, 114.846
Yxy	22.1357, 0.3839, 0.5334
Android (android.graphics.Color)	4285500416 (0xFF6F8C00)
YUV	115.3690, -56.8769, -3.8316
Hunter-Lab	47.0486, -21.8838, 28.6080

Details

The XYZ color **15.9336, 22.1357, 3.4328** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2411, 2.1552, 24.9521**, and the grayscale version is **16.5705, 17.4335, 18.9850**.

A 20% lighter version of the original color is **36.0611, 47.1079, 12.6610**, and **5.4011, 8.2119, 1.3004** is the 20% darker color. If you saturate the color by 10%, you get **15.9338, 22.1365, 3.4330**, and if you desaturate by 10%, it is **16.3843, 22.3596, 3.8681**.

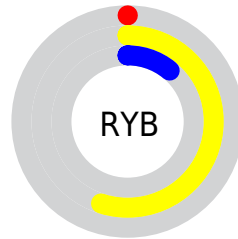
Distribution



Red (44%)

Green (55%)

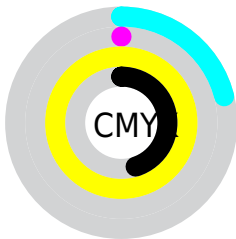
Blue (0%)



Red (0%)

Yellow (55%)

Blue (11%)

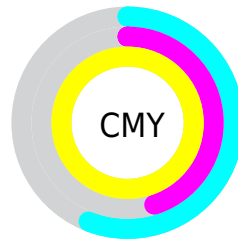


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (56%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9336, 22.1357, 3.4328 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 15.9336, 22.1357, 3.4328 by changing the saturation by 10% instead.

■ 15.9336, 22.1357,
3.4328

■ 15.9336, 22.1357,
3.4328

222.2277,
263.2541, 141.6953

■ 9.5677, 13.9566,
1.3196

■ 36.0413, 46.9702,
12.6789

■ 5.1734, 8.0905,
0.0778

■ 50.5138, 64.3944,
20.6490

■ 2.3851, 4.1529,
0.0000

■ 68.4192, 85.6691,
31.4084

■ 0.8377, 1.7595,
0.0000

■ 90.1229, 111.1787,
45.3758


■ 0.0000, 0.4617,
0.0000


■ 115.9903,
141.3076, 62.9696


■ 0.0000, 0.0000,
0.0000


■ 146.3866,


176.4402, 84.6085


 181.6773,
216.9609, 110.7109


 15.9336, 22.1357,
3.4328


 15.9336, 22.1357,
3.4328


 15.9338, 22.1365,
3.4330

 16.3843, 22.3596,
3.8681

 16.8977, 22.6092,
4.5727

 17.5011, 22.8962,
5.6885

 18.2042, 23.2245,
7.2661

 19.0154, 23.5974,
9.3488

■ 19.9421, 24.0180,
11.9748

■ 20.9910, 24.4889,
15.1787

■ 22.1680, 25.0125,
18.9924

■ 23.4791, 25.5911,
23.4451

Harmonies

Analogous

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



22.2561, 22.1357, 2.5933



15.9336, 22.1357, 3.4328



11.9351, 22.1357, 8.1561

Triad

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



15.9336, 22.1357, 3.4328



14.2763, 22.1357, 70.5492



37.2492, 22.1357, 27.6859

Complementary

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



15.9336, 22.1357, 3.4328



5.2411, 2.1552, 24.9521

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.



33.8863, 22.1357, 53.3372



15.9336, 22.1357, 3.4328



19.8677, 22.1357, 85.3741

Square

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



15.9336, 22.1357, 3.4328



11.1354, 22.1357, 43.8980



27.1336, 22.1357, 77.7804



35.5536, 22.1357, 11.3837

Rectangle

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



15.9336, 22.1357, 3.4328



10.6403, 22.1357, 15.4573



27.1336, 22.1357, 77.7804



36.6546, 22.1357, 35.4861

Sweetspot

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



15.9341, 22.1367, 3.4333



36.8812, 43.1169, 26.3668



11.2313, 6.4067, 0.6449



8.3349, 9.8620, 5.5683



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9341, 22.1367, 3.4333



27.9554, 38.9560, 6.0459



10.3338, 19.2496, 3.1712



5.3313, 5.7935, 5.3897



14.1736, 19.6767, 3.0510



0.1060, 0.1368, 0.0208

Inverse Universe

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



5.2411, 2.1552, 24.9521



9.1270, 3.7411, 43.9840



9.7716, 4.4907, 25.1641



4.8652, 4.9390, 6.3027



4.6706, 1.9219, 22.1705



0.0412, 0.0180, 0.1478

Previews

White Background



This preview shows how the XYZ color 15.9336, 22.1357, 3.4328 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 15.9336, 22.1357, 3.4328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

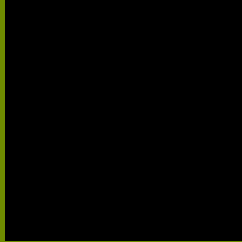
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9336, 22.1357, 3.4328

Background



This preview shows how black text looks on a background with the XYZ color 15.9336, 22.1357, 3.4328.



This preview shows how white text looks on a background with the XYZ color 15.9336, 22.1357,

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

15.9336, 22.1357, 3.4328

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.3627, 22.0226, 3.9919



Tritanopia

20.8846, 22.0697, 27.9701

Trichromacy



Original Color

15.9336, 22.1357, 3.4328

Protanomaly

18.1980, 22.0367, 3.2944

Deuteranomaly

19.4454, 21.6672, 3.6475

Tritanomaly

17.9360, 21.6934, 12.6931

Monochromacy



Original Color

15.9336, 22.1357, 3.4328

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3497, 18.4737, 9.0601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9336, 22.1357, 3.4328 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(111, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 140, 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(111, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9336, 22.1357, 3.4328 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(111, 140, 0) }
```


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

```
.border{ border-color:rgb(111, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9336, 22.1357, 3.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 140, 0) }
```

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

```
.background{ background-color: rgb(111,  
140, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor