

Converting Colors

XYZ(16.1471, 22.0212, 0.7596)

Have a look what the booklet for
XYZ(16.1471, 22.0212, 0.7596)
contains.

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Color

**XYZ(16.7038, 22.3168,
3.4272)**

Conversions

Conversions Part 1

Format	Color
Hex	768B00
RGB	118, 139, 0
RGB Percent	46%, 55%, 0%
CMY	0.5373, 0.4549, 1.0000
CMYK	0.15, 0.00, 1.00, 0.45
HSL	69°, 100%, 27%
HSV	69°, 100%, 55%
XYZ	16.7038, 22.3168, 3.4272
YIQ	116.8750, 32.1030, -47.6810

Conversions

Conversions Part 2

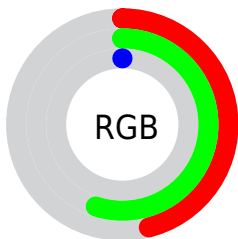
Format	Color
RYB	0, 139, 21
Decimal	7768832
CIELab	54.36, -23.22, 58.17
CIElCh	54, 62.627, 111.758
Yxy	22.3168, 0.3935, 0.5257
Android (android.graphics.Color)	4285958912 (0xFF768B00)
YUV	116.8750, -57.6194, 0.9866
Hunter-Lab	47.2407, -19.5554, 28.7671

Details

The XYZ color **16.7038, 22.3168, 3.4272** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9702, 2.0240, 24.5562**, and the grayscale version is **17.0365, 17.9237, 19.5190**.

A 20% lighter version of the original color is **37.3486, 47.1153, 12.5945**, and **5.7524, 8.2686, 1.2928** is the 20% darker color. If you saturate the color by 10%, you get **16.7040, 22.3177, 3.4273**, and if you desaturate by 10%, it is **17.0714, 22.4980, 3.8551**.

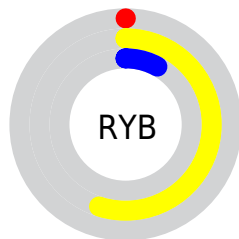
Distribution



Red (46%)

Green (55%)

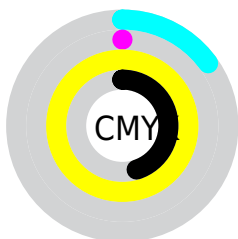
Blue (0%)



Red (0%)

Yellow (55%)

Blue (8%)

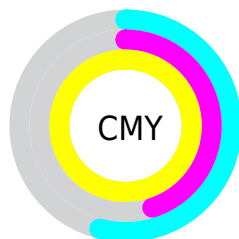


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (54%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7038, 22.3168, 3.4272 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 16.7038, 22.3168, 3.4272 by changing the saturation by 10% instead.

■ 16.7038, 22.3168,
3.4272

■ 16.7038, 22.3168,
3.4272

226.6493,
264.1962, 141.6284

■ 10.1175, 14.0899,
1.3167

■ 37.3635, 47.2690,
12.6655

■ 5.5398, 8.1832,
0.0754

■ 52.1676, 64.7631,
20.6305

■ 2.6053, 4.2124,
0.0000

■ 70.4416, 86.1151,
31.3839

■ 0.9487, 1.7931,
0.0000

■ 92.5511, 111.7093,
45.3445


■ 0.0000, 0.4828,
0.0000


■ 118.8612,
141.9301, 62.9307


■ 0.0000, 0.0000,
0.0000


■ 149.7374,


177.1619, 84.5610


 185.5450,
217.7892, 110.6541


 16.7038, 22.3168,
3.4272


 16.7038, 22.3168,
3.4272


 16.7040, 22.3177,
3.4273

 17.0714, 22.4980,
3.8551

 17.4949, 22.7015,
4.5466

 18.0017, 22.9390,
5.6424

 18.6010, 23.2143,
7.1923

 19.3011, 23.5306,
9.2386

■ 20.1091, 23.8909,
11.8190

■ 21.0316, 24.2977,
14.9674

■ 22.0743, 24.7534,
18.7151

■ 23.2430, 25.2602,
23.0909

Harmonies

Analogous

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



23.1515, 22.3168, 2.8428



16.7038, 22.3168, 3.4272



12.4743, 22.3168, 7.6557

Triad

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



16.7038, 22.3168, 3.4272



14.0731, 22.3168, 67.4604



37.0548, 22.3168, 30.1031

Complementary

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



16.7038, 22.3168, 3.4272



4.9702, 2.0240, 24.5562

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.



33.2963, 22.3168, 55.8298



16.7038, 22.3168, 3.4272



19.3830, 22.3168, 83.8128

Square

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



16.7038, 22.3168, 3.4272



11.1982, 22.3168, 41.0892



26.4648, 22.3168, 78.6877



35.9059, 22.3168, 12.8483

Rectangle

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



16.7038, 22.3168, 3.4272



11.0190, 22.3168, 14.3201



26.4648, 22.3168, 78.6877



36.2990, 22.3168, 38.0856

Sweetspot

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



16.7043, 22.3178, 3.4277



37.5462, 43.4597, 26.3979



10.9137, 6.0205, 0.5872



8.5052, 9.9498, 5.5763



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.



16.7043, 22.3178, 3.4277



29.8015, 39.9077, 6.1323



10.4834, 19.1108, 3.1365



5.3581, 5.8073, 5.3909



15.0866, 20.1474, 3.0937



0.1095, 0.1386, 0.0210

Inverse Universe

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



4.9702, 2.0240, 24.5562



8.8072, 3.5762, 43.9690



8.9118, 4.0560, 24.7407



4.8405, 4.9262, 6.3016



4.4953, 1.8315, 22.1623



0.0376, 0.0161, 0.1476

Previews

White Background



This preview shows how the XYZ color 16.7038, 22.3168, 3.4272 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 16.7038, 22.3168, 3.4272 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 16.7038, 22.3168, 3.4272

Background



This preview shows how black text looks on a background with the XYZ color 16.7038, 22.3168, 3.4272.



This preview shows how white text looks on a background with the XYZ color 16.7038, 22.3168,

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

16.7038, 22.3168, 3.4272

Protanopia

20.0153, 22.1683, 3.2240

Deuteranopia

22.5577, 22.1244, 3.9457



Tritanopia

21.5637, 22.2317, 27.5807

Trichromacy



Original Color

16.7038, 22.3168, 3.4272

Protanomaly

18.5409, 22.0093, 3.2710

Deuteranomaly

19.9691, 21.9380, 3.6339

Tritanomaly

18.6064, 21.8396, 12.4673

Monochromacy



Original Color

16.7038, 22.3168, 3.4272

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.9058, 18.9436, 9.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7038, 22.3168, 3.4272 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(118, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 139, 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(118, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7038, 22.3168, 3.4272 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(118, 139, 0) }
```


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

```
.border{ border-color:rgb(118, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7038, 22.3168, 3.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 139, 0) }
```

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

```
.background{ background-color: rgb(118,  
139, 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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