

Converting Colors

XYZ(16.3428, 22.0509, 0.7575)

Have a look what the booklet for
XYZ(16.3428, 22.0509, 0.7575)
contains.

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Color

**XYZ(16.8342, 22.1700,
3.3920)**

Conversions

Conversions Part 1

Format	Color
Hex	788A00
RGB	120, 138, 0
RGB Percent	47%, 54%, 0%
CMY	0.5294, 0.4588, 1.0000
CMYK	0.13, 0.00, 1.00, 0.46
HSL	68°, 100%, 27%
HSV	68°, 100%, 54%
XYZ	16.8342, 22.1700, 3.3920
YIQ	116.8860, 33.5700, -46.7340

Conversions

Conversions Part 2

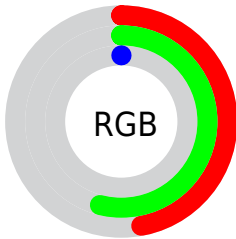
Format	Color
RYB	0, 138, 18
Decimal	7899648
CIELab	54.21, -21.82, 58.12
CIElCh	54, 62.078, 110.581
Yxy	22.1700, 0.3971, 0.5229
Android (android.graphics.Color)	4286089728 (0xFF788A00)
YUV	116.8860, -57.6248, 2.7310
Hunter-Lab	47.0850, -18.5801, 28.6883

Details

The XYZ color **16.8342, 22.1700, 3.3920** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.8375, 1.9641, 24.1702**, and the grayscale version is **17.0396, 17.9270, 19.5225**.

A 20% lighter version of the original color is **37.5787, 46.9091, 12.5426**, and **5.8045, 8.1727, 1.2716** is the 20% darker color. If you saturate the color by 10%, you get **16.8344, 22.1709, 3.3921**, and if you desaturate by 10%, it is **17.1647, 22.3321, 3.8146**.

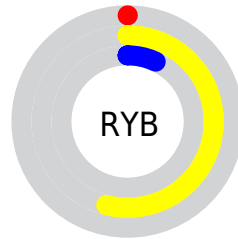
Distribution



Red (47%)

Green (54%)

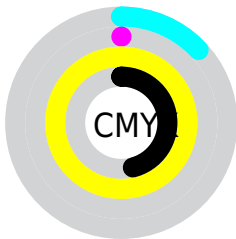
Blue (0%)



Red (0%)

Yellow (54%)

Blue (7%)

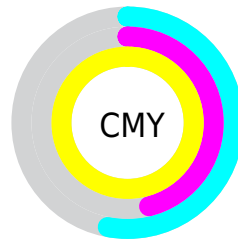


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (53%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8342, 22.1700, 3.3920 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 16.8342, 22.1700, 3.3920 by changing the saturation by 10% instead.

■ 16.8342, 22.1700,
3.3920

■ 16.8342, 22.1700,
3.3920

227.3900,
263.4328, 141.2066

■ 10.2109, 13.9819,
1.2981

■ 37.5864, 47.0268,
12.5813

■ 5.6024, 8.1081,
0.0602

■ 52.4459, 64.4643,
20.5138

■ 2.6432, 4.1642,
0.0000

■ 70.7817, 85.7536,
31.2296

■ 0.9680, 1.7658,
0.0000

■ 92.9589, 111.2793,
45.1472


■ 0.0000, 0.4657,
0.0000


■ 119.3430,
141.4256, 62.6852


■ 0.0000, 0.0000,
0.0000


■ 150.2993,


176.5771, 84.2620


 186.1932,
217.1180, 110.2963


 16.8342, 22.1700,
3.3920


 16.8342, 22.1700,
3.3920


 16.8344, 22.1709,
3.3921

 17.1647, 22.3321,
3.8146

 17.5485, 22.5153,
4.4954

 18.0126, 22.7312,
5.5739

 18.5661, 22.9834,
7.0988

 19.2171, 23.2751,
9.1120

■ 19.9726, 23.6092,
11.6501

■ 20.8390, 23.9881,
14.7468

■ 21.8220, 24.4144,
18.4325

■ 22.9272, 24.8900,
22.7357

Harmonies

Analogous

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



23.2663, 22.1700, 2.9114



16.8342, 22.1700, 3.3920



12.5577, 22.1700, 7.4025

Triad

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



16.8342, 22.1700, 3.3920



13.8635, 22.1700, 65.6977



36.6285, 22.1700, 30.7419

Complementary

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



16.8342, 22.1700, 3.3920



4.8375, 1.9641, 24.1702

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.



32.7613, 22.1700, 56.2358



16.8342, 22.1700, 3.3920



19.0201, 22.1700, 82.4400

Square

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



16.8342, 22.1700, 3.3920



11.1139, 22.1700, 39.6897



25.9671, 22.1700, 78.2725



35.6929, 22.1700, 13.2962

Rectangle

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



16.8342, 22.1700, 3.3920



11.0553, 22.1700, 13.7772



25.9671, 22.1700, 78.2725



35.8208, 22.1700, 38.7125

Sweetspot

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



16.8347, 22.1710, 3.3925



36.6252, 42.2352, 25.6072



10.6688, 5.7774, 0.5532



8.0863, 9.4171, 5.2781



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8347, 22.1710, 3.3925



29.5782, 39.0296, 5.9745



10.5524, 18.9324, 3.0985



5.3680, 5.8124, 5.3914



15.4426, 20.3309, 3.1104



0.1109, 0.1393, 0.0210

Inverse Universe

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



4.8375, 1.9641, 24.1702



8.4462, 3.4201, 42.5981



8.3438, 3.7716, 24.3343



4.8314, 4.9215, 6.3011



4.4426, 1.8044, 22.1598



0.0363, 0.0155, 0.1475

Previews

White Background



This preview shows how the XYZ color 16.8342, 22.1700, 3.3920 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 16.8342, 22.1700, 3.3920 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 16.8342, 22.1700, 3.3920

Background



This preview shows how black text looks on a background with the XYZ color 16.8342, 22.1700, 3.3920.



This preview shows how white text looks on a background with the XYZ color 16.8342, 22.1700,

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

16.8342, 22.1700, 3.3920

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.3521, 22.0184, 3.9360



Tritanopia

21.6667, 22.0986, 27.1683

Trichromacy



Original Color

16.8342, 22.1700, 3.3920

Protanomaly

18.7041, 22.0934, 3.2786

Deuteranomaly

19.8380, 21.6759, 3.5902

Tritanomaly

18.7651, 21.7191, 12.4357

Monochromacy



Original Color

16.8342, 22.1700, 3.3920

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.0409, 19.0132, 9.3030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8342, 22.1700, 3.3920 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(120, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 138, 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(120, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8342, 22.1700, 3.3920 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(120, 138, 0) }
```


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

```
.border{ border-color:rgb(120, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8342, 22.1700, 3.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 138, 0) }
```

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

```
.background{ background-color: rgb(120,  
138, 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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