

Converting Colors

XYZ(16.9604, 22.1713, 3.3856)

Have a look what the booklet for
XYZ(16.9604, 22.1713, 3.3856)
contains.

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Color

**XYZ(16.9736, 22.2419,
3.3985)**

Conversions

Conversions Part 1

Format	Color
Hex	798A00
RGB	121, 138, 0
RGB Percent	47%, 54%, 0%
CMY	0.5255, 0.4588, 1.0000
CMYK	0.12, 0.00, 1.00, 0.46
HSL	67°, 100%, 27%
HSV	67°, 100%, 54%
XYZ	16.9736, 22.2419, 3.3985
YIQ	117.1850, 34.1660, -46.5220

Conversions

Conversions Part 2

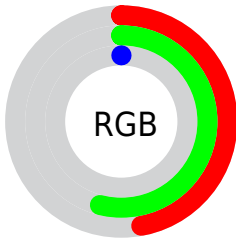
Format	Color
RYB	0, 138, 17
Decimal	7965184
CIELab	54.28, -21.38, 58.21
CIELCh	54, 62.007, 110.165
Yxy	22.2419, 0.3983, 0.5219
Android (android.graphics.Color)	4286155264 (0xFF798A00)
YUV	117.1850, -57.7722, 3.3458
Hunter-Lab	47.1613, -18.2892, 28.7404

Details

The XYZ color **16.9736, 22.2419, 3.3985** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.8192, 1.9546, 24.1694**, and the grayscale version is **17.1331, 18.0253, 19.6296**.

A 20% lighter version of the original color is **37.8057, 47.0261, 12.5532**, and **5.8736, 8.2084, 1.2748** is the 20% darker color. If you saturate the color by 10%, you get **16.9739, 22.2428, 3.3987**, and if you desaturate by 10%, it is **17.2925, 22.3980, 3.8206**.

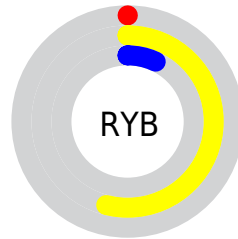
Distribution



Red (47%)

Green (54%)

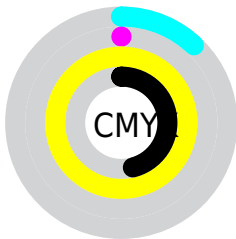
Blue (0%)



Red (0%)

Yellow (54%)

Blue (7%)

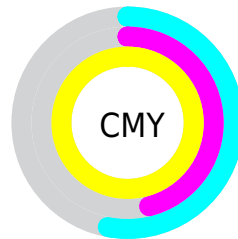


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (53%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9736, 22.2419, 3.3985 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 16.9736, 22.2419, 3.3985 by changing the saturation by 10% instead.

■ 16.9736, 22.2419,
3.3985

■ 16.9736, 22.2419,
3.3985

228.1794,
263.8069, 141.2847

■ 10.3109, 14.0348,
1.3015

■ 37.8243, 47.1455,
12.5969

■ 5.6694, 8.1448,
0.0630

■ 52.7430, 64.6107,
20.5354

■ 2.6838, 4.1878,
0.0000

■ 71.1444, 85.9307,
31.2581

■ 0.9889, 1.7791,
0.0000

■ 93.3939, 111.4900,
45.1837

■ 0.0000, 0.4741,
0.0000


■ 119.8568,
141.6728, 62.7306


■ 0.0000, 0.0000,
0.0000


■ 150.8984,


176.8637, 84.3173


 186.8842,
217.4469, 110.3625


 16.9736, 22.2419,
3.3985


 16.9736, 22.2419,
3.3985


 16.9739, 22.2428,
3.3987

 17.2925, 22.3980,
3.8206

 17.6641, 22.5750,
4.5007

 18.1155, 22.7843,
5.5786

 18.6559, 23.0297,
7.1029

 19.2933, 23.3144,
9.1154

■ 20.0346, 23.6411,
11.6529

■ 20.8862, 24.0125,
14.7488

■ 21.8540, 24.4309,
18.4337

■ 22.9434, 24.8984,
22.7361

Harmonies

Analogous

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



23.4359, 22.2419, 2.9518



16.9736, 22.2419, 3.3985



12.6567, 22.2419, 7.3562

Triad

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



16.9736, 22.2419, 3.3985



13.8675, 22.2419, 65.4527



36.6836, 22.2419, 31.1389

Complementary

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



16.9736, 22.2419, 3.3985



4.8192, 1.9546, 24.1694

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.



32.7573, 22.2419, 56.6914



16.9736, 22.2419, 3.3985



18.9996, 22.2419, 82.4211

Square

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



16.9736, 22.2419, 3.3985



11.1461, 22.2419, 39.4274



25.9384, 22.2419, 78.5629



35.8169, 22.2419, 13.5294

Rectangle

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



16.9736, 22.2419, 3.3985



11.1294, 22.2419, 13.6666



25.9384, 22.2419, 78.5629



35.8533, 22.2419, 39.1491

Sweetspot

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



16.9741, 22.2429, 3.3990



36.7101, 42.2790, 25.6111



10.6688, 5.7774, 0.5531



8.1075, 9.4280, 5.2791



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.



16.9741, 22.2429, 3.3990



29.8281, 39.1585, 5.9862



10.5524, 18.9324, 3.0984



5.3715, 5.8142, 5.3915



15.5700, 20.3966, 3.1163



0.1113, 0.1396, 0.0211

Inverse Universe

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



4.8192, 1.9546, 24.1694



8.4170, 3.4050, 42.5968



8.3438, 3.7716, 24.3344



4.8282, 4.9199, 6.3010



4.4256, 1.7956, 22.1590



0.0358, 0.0152, 0.1475

Previews

White Background



This preview shows how the XYZ color 16.9736, 22.2419, 3.3985 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 16.9736, 22.2419, 3.3985 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 16.9736, 22.2419, 3.3985

Background



This preview shows how black text looks on a background with the XYZ color 16.9736, 22.2419, 3.3985.



This preview shows how white text looks on a background with the XYZ color 16.9736, 22.2419,

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

16.9736, 22.2419, 3.3985

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.5475, 22.1203, 3.8919



Tritanopia

21.6667, 22.0986, 27.1683

Trichromacy



Original Color

16.9736, 22.2419, 3.3985

Protanomaly

18.7041, 22.0934, 3.2786

Deuteranomaly

20.0181, 21.7687, 3.5987

Tritanomaly

18.7651, 21.7191, 12.4357

Monochromacy



Original Color

16.9736, 22.2419, 3.3985

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 16.9736, 22.2419, 3.3985 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(121, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9736, 22.2419, 3.3985 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(121, 138, 0) }
```


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

```
.border{ border-color:rgb(121, 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(121, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9736, 22.2419, 3.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 138, 0) }
```

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

```
.background{ background-color: rgb(121,  
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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