

Converting Colors

XYZ(16.7164, 21.5102, 3.2708)

Have a look what the booklet for
XYZ(16.7164, 21.5102, 3.2708)
contains.

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Color

**XYZ(16.6900, 21.4655,
3.2636)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8700
RGB	122, 135, 0
RGB Percent	48%, 53%, 0%
CMY	0.5216, 0.4706, 1.0000
CMYK	0.10, 0.00, 1.00, 0.47
HSL	66°, 100%, 26%
HSV	66°, 100%, 53%
XYZ	16.6900, 21.4655, 3.2636
YIQ	115.7230, 35.5870, -44.7410

Conversions

Conversions Part 2

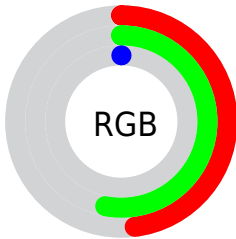
Format	Color
RYB	0, 135, 13
Decimal	8029952
CIELab	53.46, -19.39, 57.62
CIElCh	53, 60.798, 108.594
Yxy	21.4655, 0.4030, 0.5183
Android (android.graphics.Color)	4286220032 (0xFF7A8700)
YUV	115.7230, -57.0514, 5.5049
Hunter-Lab	46.3309, -16.7771, 28.2552

Details

The XYZ color **16.6900, 21.4655, 3.2636** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.5397, 1.8353, 23.0379**, and the grayscale version is **16.6779, 17.5464, 19.1080**.

A 20% lighter version of the original color is **37.3564, 45.8367, 12.1887**, and **5.7027, 7.7622, 1.1977** is the 20% darker color. If you saturate the color by 10%, you get **16.6903, 21.4664, 3.2638**, and if you desaturate by 10%, it is **16.9518, 21.5924, 3.6725**.

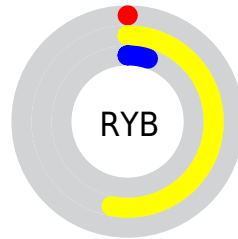
Distribution



Red (48%)

Green (53%)

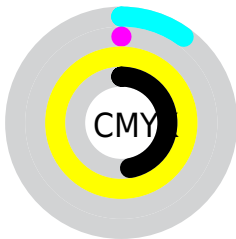
Blue (0%)



Red (0%)

Yellow (53%)

Blue (5%)

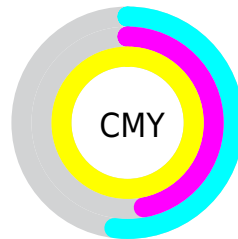


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (52%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6900, 21.4655, 3.2636 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 16.6900, 21.4655, 3.2636 by changing the saturation by 10% instead.

■ 16.6900, 21.4655,
3.2636

■ 16.6900, 21.4655,
3.2636

226.5708,
259.7421, 139.6502

■ 10.1076, 13.4647,
1.2308

■ 37.3399, 45.8610,
12.2722

■ 5.5332, 7.7493,
0.0040

■ 52.1381, 63.0244,
20.0851

■ 2.6013, 3.9350,
0.0000

■ 70.4056, 84.0109,
30.6618

■ 0.9466, 1.6372,
0.0000

■ 92.5079, 109.2048,
44.4207


■ 0.0000, 0.3825,
0.0000


■ 118.8101,
138.9904, 61.7805


■ 0.0000, 0.0000,
0.0000


■ 149.6778,


173.7523, 83.1596


 185.4762,
213.8747, 108.9767


 16.6900, 21.4655,
3.2636


 16.6900, 21.4655,
3.2636


 16.6903, 21.4664,
3.2638

 16.9518, 21.5924,
3.6725

 17.2617, 21.7381,
4.3236

 17.6458, 21.9137,
5.3531

 18.1130, 22.1229,
6.8069

 18.6708, 22.3686,
8.7245

■ 19.3258, 22.6534,
11.1409

■ 20.0839, 22.9798,
14.0876

■ 20.9508, 23.3500,
17.5936

■ 21.9316, 23.7661,
21.6859

Harmonies

Analogous

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



22.9605, 21.4655, 2.9625



16.6900, 21.4655, 3.2636



12.4273, 21.4655, 6.8489

Triad

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



16.6900, 21.4655, 3.2636



13.2360, 21.4655, 61.5307



35.1733, 21.4655, 31.1427

Complementary

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



16.6900, 21.4655, 3.2636



4.5397, 1.8353, 23.0379

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.



31.2175, 21.4655, 55.7077



16.6900, 21.4655, 3.2636



18.0416, 21.4655, 78.5154

Square

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



16.6900, 21.4655, 3.2636



10.7433, 21.4655, 36.6599



24.6279, 21.4655, 75.9528



34.5966, 21.4655, 13.7597

Rectangle

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



16.6900, 21.4655, 3.2636



10.8799, 21.4655, 12.6385



24.6279, 21.4655, 75.9528



34.3008, 21.4655, 38.9210

Sweetspot

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



16.6905, 21.4665, 3.2640



35.8663, 41.1081, 24.8374



10.1150, 5.3965, 0.5088



8.1868, 9.4688, 5.2828



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.



16.6905, 21.4665, 3.2640



29.8137, 38.4021, 5.8410



10.3098, 18.1771, 2.9654



4.9967, 5.4009, 5.0085



15.3958, 19.7968, 3.0097



0.0565, 0.0702, 0.0106

Inverse Universe

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



4.5397, 1.8353, 23.0379



8.0618, 3.2513, 41.2510



7.5777, 3.4014, 23.1801



4.4730, 4.5644, 5.8460



4.1917, 1.6951, 21.2429



0.0170, 0.0072, 0.0737

Previews

White Background



This preview shows how the XYZ color 16.6900, 21.4655, 3.2636 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 16.6900, 21.4655, 3.2636 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 16.6900, 21.4655, 3.2636

Background



This preview shows how black text looks on a background with the XYZ color 16.6900, 21.4655, 3.2636.



This preview shows how white text looks on a background with the XYZ color 16.6900, 21.4655,

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

16.6900, 21.4655, 3.2636

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.6801, 21.3097, 3.7296



Tritanopia

21.2225, 21.3220, 25.9187

Trichromacy



Original Color

16.6900, 21.4655, 3.2636

Protanomaly

18.2696, 21.4668, 3.1806

Deuteranomaly

19.5727, 21.1565, 3.4675

Tritanomaly

18.4321, 20.9616, 11.8786

Monochromacy



Original Color

16.6900, 21.4655, 3.2636

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.7902, 18.5119, 9.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6900, 21.4655, 3.2636 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(122, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 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(122, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6900, 21.4655, 3.2636 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(122, 135, 0) }
```


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

```
.border{ border-color:rgb(122, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(122, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6900, 21.4655, 3.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 0) }
```

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

```
.background{ background-color: rgb(122,  
135, 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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