

Converting Colors

XYZ(16.7906, 22.2424, 9.9236)

Have a look what the booklet for
XYZ(16.7906, 22.2424, 9.9236)
contains.

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Color

**XYZ(16.7753, 22.2109,
9.8815)**

Conversions

Conversions Part 1

Format	Color
Hex	6D8B4A
RGB	109, 139, 74
RGB Percent	43%, 55%, 29%
CMY	0.5726, 0.4549, 0.7098
CMYK	0.22, 0.00, 0.47, 0.45
HSL	88°, 31%, 42%
HSV	88°, 47%, 55%
XYZ	16.7753, 22.2109, 9.8815
YIQ	122.6200, 2.9850, -26.5750

Conversions

Conversions Part 2

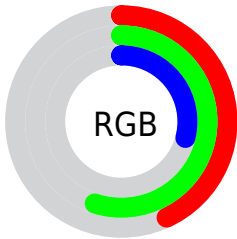
Format	Color
RYB	74, 139, 104
Decimal	7179082
CIELab	54.25, -22.34, 31.24
CIELCh	54, 38.406, 125.561
Yxy	22.2109, 0.3433, 0.4545
Android (android.graphics.Color)	4285369162 (0xFF6D8B4A)
YUV	122.6200, -23.9697, -11.9447
Hunter-Lab	47.1284, -18.9380, 20.5585

Details

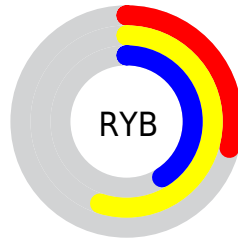
The XYZ color **16.7753, 22.2109, 9.8815** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8189, 9.7053, 25.6251**, and the grayscale version is **18.7778, 19.7557, 21.5139**.

A 20% lighter version of the original color is **37.6083, 47.2765, 26.2119**, and **5.5738, 8.1537, 2.3170** is the 20% darker color. If you saturate the color by 10%, you get **15.5973, 21.6526, 7.6463**, and if you desaturate by 10%, it is **18.1156, 22.8423, 12.6654**.

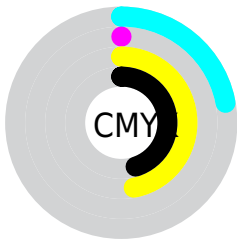
Distribution



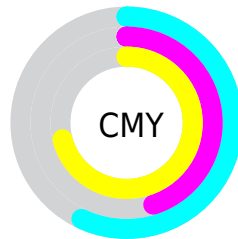
- Red (43%)
- Green (55%)
- Blue (29%)



- Red (29%)
- Yellow (55%)
- Blue (41%)



- Cyan (22%)
- Magenta (0%)
- Yellow (47%)
- Black (45%)



- Cyan (57%)
- Magenta (45%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7753, 22.2109, 9.8815 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 16.7753, 22.2109, 9.8815 by changing the saturation by 10% instead.

■ 16.7753, 22.2109,
9.8815

■ 16.7753, 22.2109,
9.8815

227.0557,
263.6457, 200.2782

■ 10.1687, 14.0119,
5.2159

■ 37.4857, 47.0943,
26.1767

■ 5.5741, 8.1290,
2.3135

■ 52.3203, 64.5476,
38.6434

■ 2.6261, 4.1776,
0.7388

■ 70.6282, 85.8544,
54.5474

■ 0.9593, 1.7734,
0.0000

■ 92.7748, 111.3992,
74.3075

■ 0.0000, 0.4705,
0.0000

■ 119.1255,
141.5663, 98.3421

■ 0.0000, 0.0000,
0.0000

150.0457,

176.7401, 127.0697

185.9006,
217.3051, 160.9089

■ 16.7753, 22.2109,
9.8815

■ 16.7753, 22.2109,
9.8815

■ 15.5973, 21.6526,
7.6463

■ 18.1156, 22.8423,
12.6654

■ 14.5717, 21.1610,
5.9220

■ 19.6239, 23.5470,
16.0297

■ 13.6902, 20.7334,
4.6684


■ 21.3077, 24.3288,
20.0053


■ 12.9425, 20.3655,
3.8384

■ 23.1735, 25.1904,
24.6205

■ 12.3118, 20.0505,
3.3505


■ 25.2275, 26.1345,
29.9018

 12.1224, 19.9557,
3.2129

 27.4753, 27.1634,
35.8742

 29.9227, 28.2796,
42.5616

 32.5747, 29.4852,
49.9865

 35.4367, 30.7824,
58.1705

Harmonies

Analogous

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



20.3419, 22.2109, 7.7529



16.7753, 22.2109, 9.8815



14.6097, 22.2109, 15.8600

Triad

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



16.7753, 22.2109, 9.8815



17.9588, 22.2109, 51.7559



30.1575, 22.2109, 22.0224

Complementary

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



16.7753, 22.2109, 9.8815



12.8189, 9.7053, 25.6251

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.



29.3008, 22.2109, 35.0051



16.7753, 22.2109, 9.8815



21.8988, 22.2109, 55.0674

Square

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



16.7753, 22.2109, 9.8815



15.2272, 22.2109, 40.1819



26.1355, 22.2109, 48.1413



28.3429, 22.2109, 13.1203

Rectangle

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



16.7753, 22.2109, 9.8815



14.0721, 22.2109, 22.4466



26.1355, 22.2109, 48.1413



30.1749, 22.2109, 26.0086

Sweetspot

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



16.7758, 22.2119, 9.8820



38.9471, 43.9321, 37.7478



16.7595, 15.7345, 8.6326



8.8309, 10.0567, 8.3486



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.



16.7758, 22.2119, 9.8820



27.8411, 38.7313, 13.5326



13.5501, 20.5490, 9.7310



5.2122, 5.7321, 5.3841



10.9604, 18.0203, 2.9006



0.0897, 0.1284, 0.0201

Inverse Universe

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



12.8189, 9.7053, 25.6251



19.8619, 13.4969, 45.3013



17.2227, 11.9756, 25.8312



4.9797, 4.9980, 6.3081



6.1432, 2.6811, 22.2394



0.0574, 0.0264, 0.1485

Previews

White Background



This preview shows how the XYZ color 16.7753, 22.2109, 9.8815 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 16.7753, 22.2109, 9.8815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

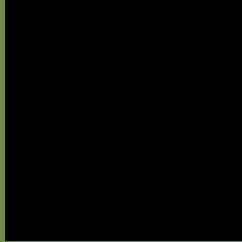
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7753, 22.2109, 9.8815

Background



This preview shows how black text looks on a background with the XYZ color 16.7753, 22.2109, 9.8815.



This preview shows how white text looks on a background with the XYZ color 16.7753, 22.2109,

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

16.7753, 22.2109, 9.8815

Protanopia

20.1429, 21.9062, 9.1279

Deuteranopia

22.4874, 22.1335, 10.2947



Tritanopia

20.4700, 22.0371, 28.7659

Trichromacy



Original Color

16.7753, 22.2109, 9.8815

Protanomaly

18.7631, 21.9888, 9.3862

Deuteranomaly

20.0050, 21.8118, 10.1769

Tritanomaly

18.8062, 21.9794, 20.0809

Monochromacy



Original Color

16.7753, 22.2109, 9.8815

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.8713, 20.5720, 16.3935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7753, 22.2109, 9.8815 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(109, 139, 74)` looks like.

```
.text, #text, p{  
    color:rgb(109, 139, 74)  
}
```

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(109, 139, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 139, 74) }
```

Border

The CSS property to change the border of an element to XYZ 16.7753, 22.2109, 9.8815 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(109, 139, 74) }
```


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

```
.border{ border-color:rgb(109, 139, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 139, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 139, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 139, 74);  
box-shadow:4px 4px 4px 4px rgb(109, 139,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7753, 22.2109, 9.8815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 139, 74) }
```

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

```
.background{ background-color: rgb(109,  
139, 74) }
```

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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