

Converting Colors

XYZ(16.9453, 22.2302, 9.0760)

Have a look what the booklet for
XYZ(16.9453, 22.2302, 9.0760)
contains.

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Color

**XYZ(16.9889, 22.3397,
9.0468)**

Conversions

Conversions Part 1

Format	Color
Hex	708B45
RGB	112, 139, 69
RGB Percent	44%, 55%, 27%
CMY	0.5608, 0.4549, 0.7294
CMYK	0.19, 0.00, 0.50, 0.45
HSL	83°, 34%, 41%
HSV	83°, 50%, 55%
XYZ	16.9889, 22.3397, 9.0468
YIQ	122.9470, 6.3780, -27.4940

Conversions

Conversions Part 2

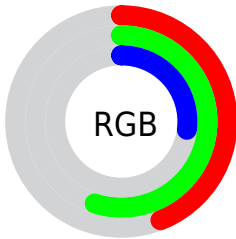
Format	Color
RYB	69, 139, 96
Decimal	7375685
CIELab	54.39, -21.73, 34.08
CIELCh	54, 40.423, 122.526
Yxy	22.3397, 0.3512, 0.4618
Android (android.graphics.Color)	4285565765 (0xFF708B45)
YUV	122.9470, -26.5959, -9.6005
Hunter-Lab	47.2649, -18.5535, 21.7369

Details

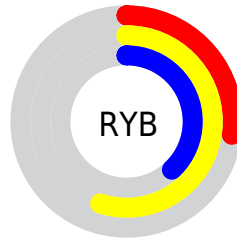
The XYZ color **16.9889, 22.3397, 9.0468** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.6131, 8.6078, 25.4768**, and the grayscale version is **18.8932, 19.8772, 21.6462**.

A 20% lighter version of the original color is **37.9168, 47.4712, 24.6172**, and **5.6943, 8.2230, 1.9965** is the 20% darker color. If you saturate the color by 10%, you get **15.9451, 21.8465, 7.0036**, and if you desaturate by 10%, it is **18.1756, 22.8963, 11.6253**.

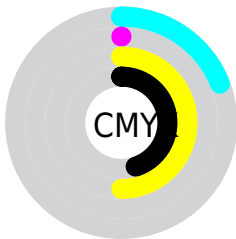
Distribution



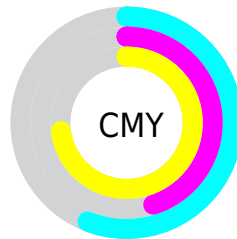
- Red (44%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (38%)



- Cyan (19%)
- Magenta (0%)
- Yellow (50%)
- Black (45%)



- Cyan (56%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9889, 22.3397, 9.0468 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 16.9889, 22.3397, 9.0468 by changing the saturation by 10% instead.

■ 16.9889, 22.3397,
9.0468

■ 16.9889, 22.3397,
9.0468

228.2659,
264.3152, 193.9575

■ 10.3218, 14.1067,
4.6745

■ 37.8504, 47.3068,
24.5656

■ 5.6768, 8.1949,
2.0022

■ 52.7756, 64.8097,
36.5492

■ 2.6883, 4.2199,
0.5566

■ 71.1842, 86.1714,
51.9070

■ 0.9912, 1.7973,
0.0000

■ 93.4416, 111.7763,
71.0575

■ 0.0000, 0.4855,
0.0000

■ 119.9131,
142.0087, 94.4193

■ 0.0000, 0.0000,
0.0000

150.9641,

177.2530, 122.4109

186.9599,
217.8937, 155.4508

■ 16.9889, 22.3397,
9.0468

■ 16.9889, 22.3397,
9.0468

■ 15.9451, 21.8465,
7.0036

■ 18.1756, 22.8963,
11.6253

■ 15.0346, 21.4104,
5.4565

■ 19.5106, 23.5163,
14.7718

■ 14.2492, 21.0289,
4.3632

■ 21.0011, 24.2033,
18.5181

■ 13.5787, 20.6978,
3.6739

■ 22.6533, 24.9599,
22.8932

■ 13.0142, 20.4155,
3.2547

■ 24.4730, 25.7885,
27.9242

■ 26.4656, 26.6914,
33.6366

■ 28.6363, 27.6706,
40.0546

■ 30.9901, 28.7283,
47.2012

■ 33.5316, 29.8664,
55.0983

Harmonies

Analogous

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



20.8614, 22.3397, 7.2253



16.9889, 22.3397, 9.0468



14.5582, 22.3397, 14.7452

Triad

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



16.9889, 22.3397, 9.0468



17.5534, 22.3397, 52.8908



30.8909, 22.3397, 23.2686

Complementary

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



16.9889, 22.3397, 9.0468



11.6131, 8.6078, 25.4768

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.



29.6885, 22.3397, 37.3497



16.9889, 22.3397, 9.0468



21.6094, 22.3397, 57.5846

Square

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



16.9889, 22.3397, 9.0468



14.8510, 22.3397, 39.8739



26.1314, 22.3397, 51.1132



29.2233, 22.3397, 13.4558

Rectangle

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



16.9889, 22.3397, 9.0468



13.8808, 22.3397, 21.2973



26.1314, 22.3397, 51.1132



30.8090, 22.3397, 27.6249

Sweetspot

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



16.9894, 22.3407, 9.0473



39.0597, 44.0077, 36.9606



15.8902, 14.2548, 7.5445



8.8744, 10.0828, 8.1847



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.



16.9894, 22.3407, 9.0473



28.3892, 39.0429, 12.2427



13.3816, 20.4808, 8.8784



5.2473, 5.7502, 5.3857



11.7648, 18.4350, 2.9382



0.0946, 0.1309, 0.0203

Inverse Universe

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



11.6131, 8.6078, 25.4768



17.6720, 11.6267, 45.0557



16.1235, 10.9329, 25.6879



4.9452, 4.9802, 6.3065



5.5789, 2.3902, 22.2130



0.0526, 0.0239, 0.1483

Previews

White Background



This preview shows how the XYZ color 16.9889, 22.3397, 9.0468 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 16.9889, 22.3397, 9.0468 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 16.9889, 22.3397, 9.0468

Background



This preview shows how black text looks on a background with the XYZ color 16.9889, 22.3397, 9.0468.



This preview shows how white text looks on a background with the XYZ color 16.9889, 22.3397,

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

16.9889, 22.3397, 9.0468

Protanopia

20.2937, 22.1983, 8.3694

Deuteranopia

22.5108, 22.1654, 9.3952



Tritanopia

20.9501, 22.2933, 28.3981

Trichromacy



Original Color

16.9889, 22.3397, 9.0468

Protanomaly

18.9164, 22.0858, 8.5762

Deuteranomaly

20.0045, 21.8311, 9.2904

Tritanomaly

19.0908, 22.1396, 19.4868

Monochromacy



Original Color

16.9889, 22.3397, 9.0468

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9062, 20.6017, 15.8647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9889, 22.3397, 9.0468 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(112, 139, 69)` looks like.

```
.text, #text, p{  
    color:rgb(112, 139, 69)  
}
```

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(112, 139, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 139, 69) }
```

Border

The CSS property to change the border of an element to XYZ 16.9889, 22.3397, 9.0468 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(112, 139, 69) }
```


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

```
.border{ border-color:rgb(112, 139, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 139, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 139, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 139, 69);  
box-shadow:4px 4px 4px 4px rgb(112, 139,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9889, 22.3397, 9.0468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 139, 69) }
```

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

```
.background{ background-color: rgb(112,  
139, 69) }
```

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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