

Converting Colors

XYZ(16.4548, 22.1501, 12.9104)

Have a look what the booklet for
XYZ(16.4548, 22.1501, 12.9104)
contains.

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Color

**XYZ(16.4368, 22.1868,
12.8674)**

Conversions

Conversions Part 1

Format	Color
Hex	648C59
RGB	100, 140, 89
RGB Percent	39%, 55%, 35%
CMY	0.6078, 0.4510, 0.6510
CMYK	0.29, 0.00, 0.36, 0.45
HSL	107°, 22%, 45%
HSV	107°, 36%, 55%
XYZ	16.4368, 22.1868, 12.8674
YIQ	122.2260, -7.4690, -24.3410

Conversions

Conversions Part 2

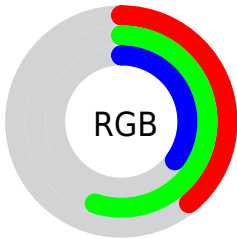
Format	Color
R_{YB}	89, 140, 129
Decimal	6589529
CIE _{Lab}	54.22, -24.13, 22.93
CIE _{LCh}	54, 33.284, 136.454
Yxy	22.1868, 0.3192, 0.4309
Android (android.graphics.Color)	4284779609 (0xFF648C59)
YUV	122.2260, -16.3804, -19.4922
Hunter-Lab	47.1029, -20.1415, 16.7754

Details

The XYZ color **16.4368, 22.1868, 12.8674** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.3603, 13.7061, 26.5427**, and the grayscale version is **18.6267, 19.5967, 21.3408**.

A 20% lighter version of the original color is **36.9009, 47.1231, 31.5769**, and **5.4393, 8.1833, 3.4833** is the 20% darker color. If you saturate the color by 10%, you get **14.7703, 21.3899, 10.0070**, and if you desaturate by 10%, it is **18.3800, 23.1147, 16.3253**.

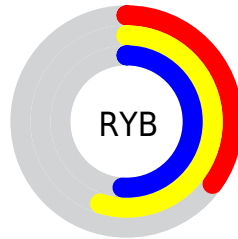
Distribution



Red (39%)

Green (55%)

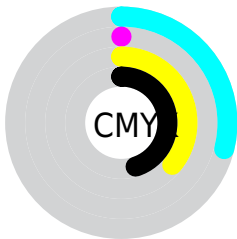
Blue (35%)



Red (35%)

Yellow (55%)

Blue (51%)

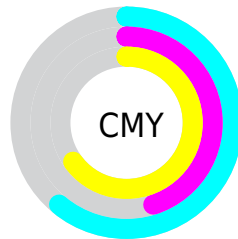


Cyan (29%)

Magenta (0%)

Yellow (36%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4368, 22.1868, 12.8674 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 16.4368, 22.1868, 12.8674 by changing the saturation by 10% instead.

■ 16.4368, 22.1868,
12.8674

■ 16.4368, 22.1868,
12.8674

225.1256,
263.5202, 221.2440

■ 9.9266, 13.9942,
7.2076

■ 36.9062, 47.0545,
31.7530

■ 5.4122, 8.1166,
3.5119

■ 51.5961, 64.4985,
45.8160

■ 2.5283, 4.1697,
1.3616

■ 69.7433, 85.7950,
63.5171

■ 0.9096, 1.7689,
0.1115

■ 91.7131, 111.3285,
85.2750

■ 0.0000, 0.4677,
0.0000

■ 117.8709,
141.4834, 111.5080

■ 0.0000, 0.0000,
0.0000

148.5820,

176.6441, 142.6348

184.2118,
217.1949, 179.0740

■ 16.4368, 22.1868,
12.8674

■ 16.4368, 22.1868,
12.8674

■ 14.7703, 21.3899,
10.0070

■ 18.3800, 23.1147,
16.3253

■ 13.3659, 20.7154,
7.7090

■ 20.6103, 24.1764,
20.4106

■ 12.2103, 20.1577,
5.9367


■ 23.1394, 25.3778,
25.1525


■ 11.2882, 19.7099,
4.6483


■ 25.9781, 26.7241,
30.5783


■ 10.5825, 19.3642,
3.7960


■ 29.1364, 28.2197,
36.7137


 10.0694, 19.1101,
3.3015

 32.6239, 29.8692,
43.5829

 9.9196, 19.0360,
3.1515

 36.4500, 31.6768,
51.2090

 40.6236, 33.6466,
59.6143

 45.1531, 35.7825,
68.8200

Harmonies

Analogous

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



19.1782, 22.1868, 9.6453



16.4368, 22.1868, 12.8674



15.0221, 22.1868, 19.7853

Triad

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



16.4368, 22.1868, 12.8674



19.5001, 22.1868, 49.1642



28.4879, 22.1868, 18.9424

Complementary

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



16.4368, 22.1868, 12.8674



17.3603, 13.7061, 26.5427

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.



28.5997, 22.1868, 29.1309



16.4368, 22.1868, 12.8674



23.1204, 22.1868, 48.7450

Square

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



16.4368, 22.1868, 12.8674



16.6492, 22.1868, 41.6670



26.5427, 22.1868, 40.6469



26.2527, 22.1868, 12.4032

Rectangle

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



16.4368, 22.1868, 12.8674



14.9032, 22.1868, 26.4672



26.5427, 22.1868, 40.6469



28.7832, 22.1868, 21.9866

Sweetspot

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



16.4374, 22.1877, 12.8679



38.5854, 43.6915, 40.1801



20.4631, 21.9851, 12.6166



8.7709, 10.0105, 9.0334



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.



16.4374, 22.1877, 12.8679



26.4506, 37.9067, 18.3345



15.9695, 21.8694, 16.3308



5.0662, 5.6569, 5.3773



8.8282, 16.9211, 2.8008



0.0691, 0.1178, 0.0191

Inverse Universe

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



17.3603, 13.7061, 26.5427



28.3202, 20.5999, 46.2265



18.1254, 14.2156, 21.3763



5.1301, 5.0755, 6.3151



9.9155, 4.6257, 22.4159



0.0780, 0.0370, 0.1495

Previews

White Background



This preview shows how the XYZ color 16.4368, 22.1868, 12.8674 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 16.4368, 22.1868, 12.8674 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 16.4368, 22.1868, 12.8674

Background



This preview shows how black text looks on a background with the XYZ color 16.4368, 22.1868, 12.8674.



This preview shows how white text looks on a background with the XYZ color 16.4368, 22.1868,

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

16.4368, 22.1868, 12.8674

Protanopia

20.3052, 21.9318, 11.7574

Deuteranopia

22.3203, 21.9779, 13.4217



Tritanopia

19.7282, 22.0399, 29.5999

Trichromacy



Original Color

16.4368, 22.1868, 12.8674

Protanomaly

18.5247, 21.8069, 12.0369

Deuteranomaly

19.7459, 21.8063, 13.2935

Tritanomaly

18.3861, 22.1277, 22.3708

Monochromacy



Original Color

16.4368, 22.1868, 12.8674

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6042, 20.4037, 17.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4368, 22.1868, 12.8674 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(100, 140, 89)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 89)  
}
```

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(100, 140, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.4368, 22.1868, 12.8674 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(100, 140, 89) }
```


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

```
.border{ border-color:rgb(100, 140, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 89);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4368, 22.1868, 12.8674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 89) }
```

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

```
.background{ background-color: rgb(100,  
140, 89) }
```

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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