

Converting Colors

XYZ(16.8751, 22.5842, 15.0251)

Have a look what the booklet for
XYZ(16.8751, 22.5842, 15.0251)
contains.

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Color

**XYZ(16.8751, 22.5842,
15.0251)**

Conversions

Conversions Part 1

Format	Color
Hex	638D62
RGB	99, 141, 98
RGB Percent	39%, 55%, 38%
CMY	0.6118, 0.4470, 0.6157
CMYK	0.30, 0.00, 0.30, 0.45
HSL	119°, 18%, 47%
HSV	119°, 30%, 55%
XYZ	16.8751, 22.5842, 15.0251
YIQ	123.5400, -11.2290, -22.2770

Conversions

Conversions Part 2

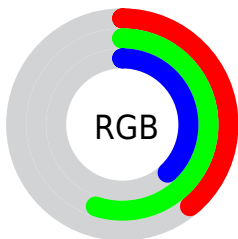
Format	Color
R_{YB}	98, 141, 140
Decimal	6524258
CIE _{Lab}	54.64, -23.47, 18.44
CIE _{LCh}	55, 29.848, 141.834
Yxy	22.5842, 0.3097, 0.4145
Android (android.graphics.Color)	4284714338 (0xFF638D62)
YUV	123.5400, -12.5912, -21.5216
Hunter-Lab	47.5228, -19.7806, 14.5205

Details

The XYZ color **16.8751, 22.5842, 15.0251** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9915, 16.2346, 27.2803**, and the grayscale version is **19.0489, 20.0409, 21.8246**.

A 20% lighter version of the original color is **37.7024, 47.7794, 35.6690**, and **5.6540, 8.3993, 4.4552** is the 20% darker color. If you saturate the color by 10%, you get **14.8888, 21.6311, 11.7578**, and if you desaturate by 10%, it is **19.2366, 23.7184, 18.9232**.

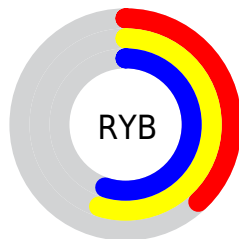
Distribution



Red (39%)

Green (55%)

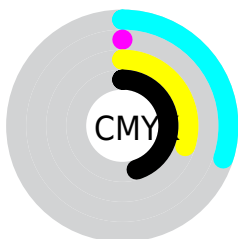
Blue (38%)



Red (38%)

Yellow (55%)

Blue (55%)

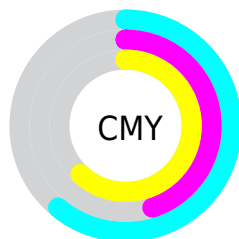


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8751, 22.5842, 15.0251 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 16.8751, 22.5842, 15.0251 by changing the saturation by 10% instead.

■ 16.8751, 22.5842,
15.0251

■ 16.8751, 22.5842,
15.0251

227.6219,
265.5821, 235.1641

■ 10.2402, 14.2868,
8.6902

■ 37.6562, 47.7097,
35.6401

■ 5.6220, 8.3204,
4.4456

■ 52.5332, 65.3065,
50.7573

■ 2.6551, 4.3006,
1.8729

■ 70.8882, 86.7720,
69.6390

■ 0.9741, 1.8431,
0.4754

■ 93.0867, 112.4904,
92.7038

■ 0.0000, 0.5138,
0.0000

119.4939,
142.8463, 120.3701

■ 0.0000, 0.0000,
0.0000

150.4753,

178.2239, 153.0566

186.3962,
219.0077, 191.1818

■ 16.8751, 22.5842,
15.0251

■ 16.8751, 22.5842,
15.0251

■ 14.8888, 21.6311,
11.7578

■ 19.2366, 23.7184,
18.9232

■ 13.2566, 20.8472,
9.0867

■ 21.9892, 25.0394,
23.4813

■ 11.9584, 20.2233,
6.9763

■ 25.1503, 26.5561,
28.7283

■ 10.9710, 19.7484,
5.3868

■ 28.7354, 28.2761,
34.6913

■ 10.2684, 19.4101,
4.2728

■ 32.7596, 30.2064,
41.3957

■ 9.8205, 19.1941,
3.5817

■ 37.2369, 32.3538,
48.8659

■ 9.5663, 19.0717,
3.1770

■ 42.1808, 34.7248,
57.1248

■ 47.6044, 37.3256,
66.1947

■ 53.5200, 40.1622,
76.0969

Harmonies

Analogous

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



19.2023, 22.5842, 11.3365



16.8751, 22.5842, 15.0251



15.8037, 22.5842, 22.1109

Triad

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



16.8751, 22.5842, 15.0251



20.5814, 22.5842, 47.1783



27.8748, 22.5842, 18.4606

Complementary

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



16.8751, 22.5842, 15.0251



19.9915, 16.2346, 27.2803

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.



28.3402, 22.5842, 27.2486



16.8751, 22.5842, 15.0251



23.9001, 22.5842, 45.4796

Square

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



16.8751, 22.5842, 15.0251



17.7963, 22.5842, 41.7193



26.8212, 22.5842, 37.5392



25.6075, 22.5842, 12.9390

Rectangle

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



16.8751, 22.5842, 15.0251



15.8609, 22.5842, 28.4876



26.8212, 22.5842, 37.5392



28.2558, 22.5842, 21.0658

Sweetspot

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



16.8757, 22.5852, 15.0256



40.0733, 45.1736, 43.2033



22.5049, 25.1754, 15.2289



8.7957, 10.0154, 9.3929



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.



16.8757, 22.5852, 15.0256



27.5600, 39.1673, 22.5294



17.8366, 22.9570, 20.6520



5.3538, 6.0350, 5.7721



8.7242, 17.3901, 2.8968



0.0853, 0.1672, 0.0278

Inverse Universe

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



19.9915, 16.2346, 27.2803



34.1134, 25.8059, 48.3109



18.8000, 15.7775, 20.1229



5.6140, 5.5047, 6.7954



13.9008, 6.6597, 23.5299



0.1354, 0.0650, 0.2251

Previews

White Background



This preview shows how the XYZ color 16.8751, 22.5842, 15.0251 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 16.8751, 22.5842, 15.0251 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 16.8751, 22.5842, 15.0251

Background



This preview shows how black text looks on a background with the XYZ color 16.8751, 22.5842, 15.0251.



This preview shows how white text looks on a background with the XYZ color 16.8751, 22.5842,

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

16.8751, 22.5842, 15.0251

Protanopia

20.7736, 22.3310, 13.5714

Deuteranopia

22.8194, 22.3791, 15.4288



Tritanopia

20.0366, 22.5914, 30.4987

Trichromacy



Original Color

16.8751, 22.5842, 15.0251

Protanomaly

19.0481, 22.2364, 14.1146

Deuteranomaly

20.0894, 22.1392, 15.2711

Tritanomaly

18.7338, 22.4796, 24.1205

Monochromacy



Original Color

16.8751, 22.5842, 15.0251

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1474, 20.8479, 19.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8751, 22.5842, 15.0251 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(99, 141, 98)` looks like.

```
.text, #text, p{  
    color:rgb(99, 141, 98)  
}
```

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(99, 141, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 141, 98) }
```

Border

The CSS property to change the border of an element to XYZ 16.8751, 22.5842, 15.0251 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(99, 141, 98) }
```


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

```
.border{ border-color:rgb(99, 141, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 141, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 141, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 141, 98);  
box-shadow:4px 4px 4px 4px rgb(99, 141,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8751, 22.5842, 15.0251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 141, 98) }
```

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

```
.background{ background-color: rgb(99, 141,  
98) }
```

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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