

Converting Colors

XYZ(16.9482, 22.5194, 15.1019)

Have a look what the booklet for
XYZ(16.9482, 22.5194, 15.1019)
contains.

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Color

**XYZ(16.9850, 22.6409,
15.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	648D62
RGB	100, 141, 98
RGB Percent	39%, 55%, 38%
CMY	0.6078, 0.4470, 0.6157
CMYK	0.29, 0.00, 0.30, 0.45
HSL	117°, 18%, 47%
HSV	117°, 30%, 55%
XYZ	16.9850, 22.6409, 15.0302
YIQ	123.8390, -10.6330, -22.0650

Conversions

Conversions Part 2

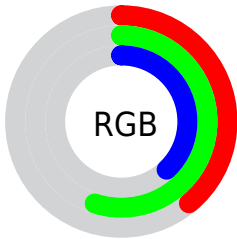
Format	Color
R_{YB}	98, 141, 139
Decimal	6589794
CIE _{Lab}	54.70, -23.11, 18.53
CIE _{LCh}	55, 29.627, 141.274
Yxy	22.6409, 0.3108, 0.4142
Android (android.graphics.Color)	4284779874 (0xFF648D62)
YUV	123.8390, -12.7386, -20.9068
Hunter-Lab	47.5825, -19.5521, 14.5794

Details

The XYZ color **16.9850, 22.6409, 15.0302** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.8238, 16.1481, 27.2725**, and the grayscale version is **19.1486, 20.1458, 21.9388**.

A 20% lighter version of the original color is **37.8888, 47.8755, 35.6777**, and **5.7039, 8.4250, 4.4575** is the 20% darker color. If you saturate the color by 10%, you get **15.0108, 21.6941, 11.7634**, and if you desaturate by 10%, it is **19.3231, 23.7631, 18.9272**.

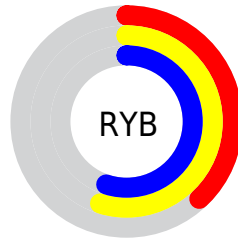
Distribution



Red (39%)

Green (55%)

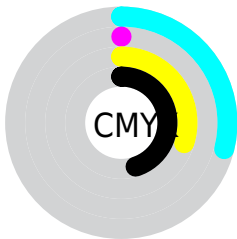
Blue (38%)



Red (38%)

Yellow (55%)

Blue (55%)

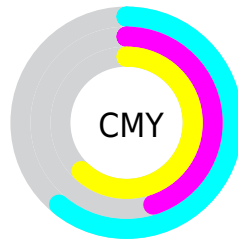


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9850, 22.6409, 15.0302 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 16.9850, 22.6409, 15.0302 by changing the saturation by 10% instead.

■ 16.9850, 22.6409,
15.0302

■ 16.9850, 22.6409,
15.0302

228.2439,
265.8752, 235.1960

■ 10.3190, 14.3286,
8.6937

■ 37.8438, 47.8030,
35.6492

■ 5.6749, 8.3495,
4.4479

■ 52.7673, 65.4216,
50.7688

■ 2.6872, 4.3194,
1.8741

■ 71.1741, 86.9110,
69.6532

■ 0.9906, 1.8538,
0.4762

■ 93.4294, 112.6557,
92.7209

■ 0.0000, 0.5204,
0.0000

119.8987,
143.0401, 120.3906

■ 0.0000, 0.0000,
0.0000

150.9473,

178.4486, 153.0806

186.9406,
219.2655, 191.2095

■ 16.9850, 22.6409,
15.0302

■ 16.9850, 22.6409,
15.0302

■ 15.0108, 21.6941,
11.7634

■ 19.3231, 23.7631,
18.9272

■ 13.3806, 20.9111,
9.0925

■ 22.0403, 25.0658,
23.4836

■ 12.0752, 20.2835,
6.9818

■ 25.1530, 26.5576,
28.7284

■ 11.0728, 19.8010,
5.3915

■ 28.6762, 28.2456,
34.6885

■ 10.3491, 19.4518,
4.2766

■ 32.6239, 30.1365,
41.3894

■ 9.8757, 19.2225,
3.5842

■ 37.0098, 32.2368,
48.8552

■ 9.6074, 19.0929,
3.1789

■ 41.8468, 34.5527,
57.1091

■ 47.1471, 37.0899,
66.1733

■ 52.9226, 39.8543,
76.0689

Harmonies

Analogous

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



19.3216, 22.6409, 11.4093



16.9850, 22.6409, 15.0302



15.8928, 22.6409, 22.0245

Triad

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



16.9850, 22.6409, 15.0302



20.5813, 22.6409, 47.0291



27.9140, 22.6409, 18.6884

Complementary

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



16.9850, 22.6409, 15.0302



19.8238, 16.1481, 27.2725

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.



28.3384, 22.6409, 27.4808



16.9850, 22.6409, 15.0302



23.8780, 22.6409, 45.4822

Square

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



16.9850, 22.6409, 15.0302



17.8270, 22.6409, 41.5023



26.7967, 22.6409, 37.6936



25.6896, 22.6409, 13.1199

Rectangle

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



16.9850, 22.6409, 15.0302



15.9325, 22.6409, 28.3359



26.7967, 22.6409, 37.6936



28.2802, 22.6409, 21.3022

Sweetspot

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



16.9856, 22.6419, 15.0307



40.1549, 45.2156, 43.2072



22.4010, 24.9675, 15.1942



8.8161, 10.0259, 9.3938



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.



16.9856, 22.6419, 15.0307



27.7745, 39.2779, 22.5394



17.7941, 22.9400, 20.4284



5.3647, 6.0406, 5.7726



8.7636, 17.4104, 2.8987



0.0875, 0.1684, 0.0279

Inverse Universe

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



19.8238, 16.1481, 27.2725



33.7424, 25.6147, 48.2936



18.8442, 15.7951, 20.3552



5.6018, 5.4984, 6.7948



13.4167, 6.4102, 23.5072



0.1332, 0.0638, 0.2250

Previews

White Background



This preview shows how the XYZ color 16.9850, 22.6409, 15.0302 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 16.9850, 22.6409, 15.0302 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 16.9850, 22.6409, 15.0302

Background



This preview shows how black text looks on a background with the XYZ color 16.9850, 22.6409, 15.0302.



This preview shows how white text looks on a background with the XYZ color 16.9850, 22.6409,

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

16.9850, 22.6409, 15.0302

Protanopia

20.7736, 22.3310, 13.5714

Deuteranopia

22.8194, 22.3791, 15.4288



Tritanopia

20.1590, 22.6545, 30.5044

Trichromacy



Original Color

16.9850, 22.6409, 15.0302

Protanomaly

19.0481, 22.2364, 14.1146

Deuteranomaly

20.2481, 22.2210, 15.2785

Tritanomaly

18.8520, 22.5405, 24.1260

Monochromacy



Original Color

16.9850, 22.6409, 15.0302

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 16.9850, 22.6409, 15.0302 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, 141, 98)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 141, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 141, 98) }
```

Border

The CSS property to change the border of an element to XYZ 16.9850, 22.6409, 15.0302 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, 141, 98) }
```


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

```
.border{ border-color:rgb(100, 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(100, 141, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 141, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 141, 98);  
box-shadow:4px 4px 4px 4px rgb(100, 141,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9850, 22.6409, 15.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 141, 98) }
```

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

```
.background{ background-color: rgb(100,  
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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