

Converting Colors

XYZ(18.4528, 22.5723, 3.3756)

Have a look what the booklet for
XYZ(18.4528, 22.5723, 3.3756)
contains.

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Color

**XYZ(18.4770, 22.5949,
3.3874)**

Conversions

Conversions Part 1

Format	Color
Hex	858800
RGB	133, 136, 0
RGB Percent	52%, 53%, 0%
CMY	0.4784, 0.4667, 1.0000
CMYK	0.02, 0.00, 1.00, 0.47
HSL	61°, 100%, 27%
HSV	61°, 100%, 53%
XYZ	18.4770, 22.5949, 3.3874
YIQ	119.5990, 41.8680, -42.9320

Conversions

Conversions Part 2

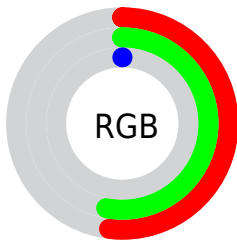
Format	Color
RYB	0, 136, 3
Decimal	8751104
CIELab	54.65, -14.89, 58.91
CIELCh	55, 60.765, 104.185
Yxy	22.5949, 0.4156, 0.5082
Android (android.graphics.Color)	4286941184 (0xFF858800)
YUV	119.5990, -58.9623, 11.7527
Hunter-Lab	47.5341, -13.7998, 29.0487

Details

The XYZ color **18.4770, 22.5949, 3.3874** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.4821, 1.7973, 23.4048**, and the grayscale version is **17.8982, 18.8303, 20.5062**.

A 20% lighter version of the original color is **40.4762, 47.7597, 12.5541**, and **6.5522, 8.3178, 1.2602** is the 20% darker color. If you saturate the color by 10%, you get **18.4774, 22.5959, 3.3876**, and if you desaturate by 10%, it is **18.6016, 22.6511, 3.7934**.

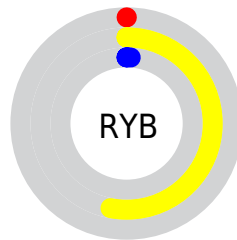
Distribution



Red (52%)

Green (53%)

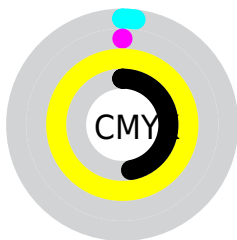
Blue (0%)



Red (0%)

Yellow (53%)

Blue (1%)

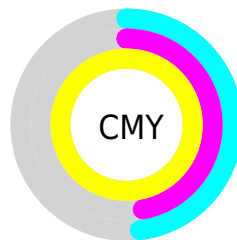


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (48%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4770, 22.5949, 3.3874 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 18.4770, 22.5949, 3.3874 by changing the saturation by 10% instead.

■ 18.4770, 22.5949,
3.3874

■ 18.4770, 22.5949,
3.3874

236.5400,
265.6374, 141.1514

■ 11.3947, 14.2947,
1.2957

■ 40.3722, 47.7273,
12.5703

■ 6.4022, 8.3259,
0.0583

■ 55.9159, 65.3282,
20.4985

■ 3.1341, 4.3042,
0.0000

■ 75.0107, 86.7982,
31.2094

■ 1.2251, 1.8451,
0.0000

■ 98.0221, 112.5216,
45.1213

■ 0.1260, 0.5151,
0.0000

■ 125.3153,
142.8829, 62.6530

■ 0.0000, 0.0000,
0.0000

■ 157.2558,

178.2663, 84.2229

194.2090,
219.0564, 110.2495

18.4770, 22.5949,
3.3874

18.4770, 22.5949,
3.3874

18.4774, 22.5959,
3.3876

18.6016, 22.6511,
3.7934

18.7729, 22.7251,
4.4467

19.0174, 22.8284,
5.4846

19.3439, 22.9646,
6.9539

19.7601, 23.1366,
8.8950

■ 20.2729, 23.3473,
11.3434

■ 20.8882, 23.5990,
14.3313

■ 21.6117, 23.8940,
17.8882

■ 22.4485, 24.2343,
22.0414

Harmonies

Analogous

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



25.1732, 22.5949, 3.4602



18.4770, 22.5949, 3.3874



13.7041, 22.5949, 6.5187

Triad

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



18.4770, 22.5949, 3.3874



13.5134, 22.5949, 60.2183



36.3711, 22.5949, 36.0616

Complementary

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



18.4770, 22.5949, 3.3874



4.4821, 1.7973, 23.4048

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.



31.7396, 22.5949, 61.5732



18.4770, 22.5949, 3.3874



18.1593, 22.5949, 79.7469

Square

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



18.4770, 22.5949, 3.3874



11.2679, 22.5949, 34.7721



24.7826, 22.5949, 80.3420



36.5058, 22.5949, 16.6377

Rectangle

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



18.4770, 22.5949, 3.3874



11.8575, 22.5949, 11.8000



24.7826, 22.5949, 80.3420



35.2515, 22.5949, 44.3693

Sweetspot

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



18.4775, 22.5960, 3.3879



36.7317, 41.5542, 24.8779



10.1788, 5.2840, 0.4837



8.4106, 9.5842, 5.2933



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4775, 22.5960, 3.3879



32.5425, 39.8088, 5.9687



11.0341, 18.7587, 3.0395



5.4203, 5.8394, 5.3938



17.4883, 21.3855, 3.2061



0.1178, 0.1429, 0.0214

Inverse Universe

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



4.4821, 1.7973, 23.4048



7.8802, 3.1577, 41.2425



6.9899, 3.0902, 23.5221



4.7842, 4.8972, 6.2989



4.2427, 1.7013, 22.1505



0.0294, 0.0119, 0.1472

Previews

White Background



This preview shows how the XYZ color 18.4770, 22.5949, 3.3874 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 18.4770, 22.5949, 3.3874 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 18.4770, 22.5949, 3.3874

Background



This preview shows how black text looks on a background with the XYZ color 18.4770, 22.5949, 3.3874.



This preview shows how white text looks on a background with the XYZ color 18.4770, 22.5949,

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

18.4770, 22.5949, 3.3874

Protanopia

20.3290, 22.5285, 3.2770

Deuteranopia

22.8601, 22.4688, 3.8415



Tritanopia

23.0601, 22.4501, 26.4104

Trichromacy



Original Color

18.4770, 22.5949, 3.3874

Protanomaly

19.7152, 22.6147, 3.3260

Deuteranomaly

20.9287, 22.2397, 3.5704

Tritanomaly

20.3504, 22.1424, 12.2181

Monochromacy



Original Color

18.4770, 22.5949, 3.3874

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2228, 19.8035, 9.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4770, 22.5949, 3.3874 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(133, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 136, 0)  
}
```

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(133, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4770, 22.5949, 3.3874 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(133, 136, 0) }
```


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

```
.border{ border-color:rgb(133, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4770, 22.5949, 3.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 136, 0) }
```

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

```
.background{ background-color: rgb(133,  
136, 0) }
```

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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