

Converting Colors

XYZ(22.2070, 18.7529, 7.4970)

Have a look what the booklet for
XYZ(22.2070, 18.7529, 7.4970)
contains.

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Color

**XYZ(22.0529, 18.6071,
7.4302)**

Conversions

Conversions Part 1

Format	Color
Hex	A86841
RGB	168, 104, 65
RGB Percent	66%, 41%, 25%
CMY	0.3412, 0.5921, 0.7451
CMYK	0.00, 0.38, 0.61, 0.34
HSL	23°, 44%, 46%
HSV	23°, 61%, 66%
XYZ	22.0529, 18.6071, 7.4302
YIQ	118.6900, 50.6630, 1.4390

Conversions

Conversions Part 2

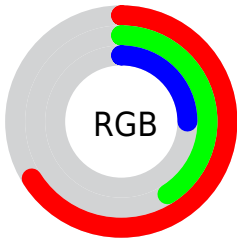
Format	Color
RYB	168, 128, 65
Decimal	11036737
CIELab	50.22, 21.79, 32.45
CIELCh	50, 39.089, 56.118
Yxy	18.6071, 0.4586, 0.3869
Android (android.graphics.Color)	4289226817 (0xFFA86841)
YUV	118.6900, -26.4692, 43.2449
Hunter-Lab	43.1359, 15.7688, 19.9824

Details

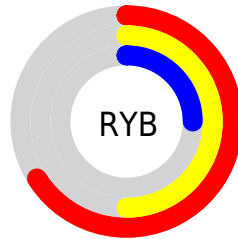
The XYZ color **22.0529, 18.6071, 7.4302** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.0976, 19.6504, 39.9374**, and the grayscale version is **17.5068, 18.4185, 20.0577**.

A 20% lighter version of the original color is **46.2898, 41.1606, 21.4246**, and **8.2225, 6.3236, 1.4490** is the 20% darker color. If you saturate the color by 10%, you get **20.6503, 16.4684, 4.9084**, and if you desaturate by 10%, it is **23.7312, 21.0658, 10.7583**.

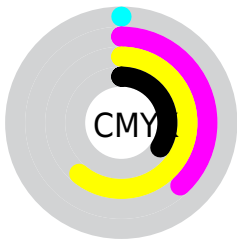
Distribution



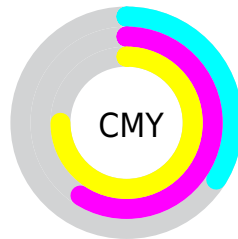
- Red (66%)
- Green (41%)
- Blue (25%)



- Red (66%)
- Yellow (50%)
- Blue (25%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (34%)



- Cyan (34%)
- Magenta (59%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0529, 18.6071, 7.4302 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 22.0529, 18.6071, 7.4302 by changing the saturation by 10% instead.

■ 22.0529, 18.6071,
7.4302

■ 22.0529, 18.6071,
7.4302

255.4496,
244.2711, 180.9563

■ 14.0126, 11.3867,
3.6501

■ 46.3116, 41.0691,
21.3610

■ 8.2112, 6.3276,
1.4354

■ 63.2607, 57.0796,
32.3488

■ 4.2833, 3.0453,
0.1691

■ 83.9102, 76.7888,
46.5761

■ 1.8636, 1.1554,
0.0000

■ 108.6253,
100.5813, 64.4617

■ 0.5556, 0.0248,
0.0000

■ 137.7714,
128.8413, 86.4239

■ 0.0000, 0.0000,
0.0000

■ 171.7140,

161.9534, 112.8814

210.8182,
200.3018, 144.2527

■ 22.0529, 18.6071,
7.4302

■ 22.0529, 18.6071,
7.4302

■ 20.6503, 16.4684,
4.9084

■ 23.7312, 21.0658,
10.7583

■ 19.5041, 14.6321,
3.1205

■ 25.7000, 23.8552,
14.9546

■ 18.5940, 13.0827,
1.9824

■ 27.9746, 26.9890,
20.0758

■ 17.9603, 11.9487,
1.3597

■ 30.5685, 30.4792,
26.1739

■ 33.4945, 34.3373,
33.2965

■ 36.7647, 38.5740,
41.4885

■ 40.3904, 43.1997,
50.7917

■ 44.3824, 48.2243,
61.2461

■ 48.7512, 53.6574,
72.8893

Harmonies

Analogous

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



25.0440, 18.6071, 12.4112



22.0529, 18.6071, 7.4302



18.1820, 18.6071, 5.7836

Triad

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



22.0529, 18.6071, 7.4302



11.3820, 18.6071, 18.8836



21.0805, 18.6071, 45.2740

Complementary

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



22.0529, 18.6071, 7.4302



17.0976, 19.6504, 39.9374

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.



17.1981, 18.6071, 48.9176



22.0529, 18.6071, 7.4302



11.9312, 18.6071, 30.8696

Square

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



22.0529, 18.6071, 7.4302



12.3136, 18.6071, 10.7331



13.9365, 18.6071, 42.9086



24.4288, 18.6071, 34.2145

Rectangle

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



22.0529, 18.6071, 7.4302



15.7442, 18.6071, 6.1239



13.9365, 18.6071, 42.9086



19.7801, 18.6071, 47.5446

Sweetspot

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



22.0533, 18.6080, 7.4305



56.9888, 57.3239, 51.1481



22.0837, 13.7235, 22.6863



12.1095, 12.0805, 10.3980



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.0533, 18.6080, 7.4305



36.5768, 28.4704, 7.4408



28.7022, 31.9058, 9.6468



7.7552, 7.9905, 7.9229



13.6092, 9.1156, 1.0422



0.3805, 0.3207, 0.0418

Inverse Universe

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



17.0976, 19.6504, 39.9374



26.7148, 30.4021, 71.6853



12.0247, 9.5047, 38.2465



7.5053, 8.0475, 9.5761



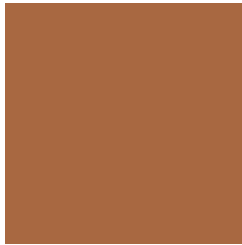
9.1553, 9.7707, 29.3789



0.2697, 0.3316, 0.7304

Previews

White Background



This preview shows how the XYZ color 22.0529, 18.6071, 7.4302 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 22.0529, 18.6071, 7.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

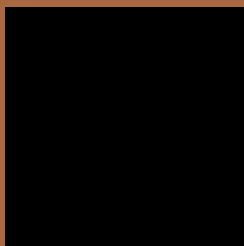
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0529, 18.6071, 7.4302

Background



This preview shows how black text looks on a background with the XYZ color 22.0529, 18.6071, 7.4302.



This preview shows how white text looks on a background with the XYZ color 22.0529, 18.6071,

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

22.0529, 18.6071, 7.4302

Protanopia

17.2139, 18.7132, 8.6660

Deuteranopia

18.9471, 18.5966, 7.2935



Tritanopia

23.8579, 18.6222, 15.9727

Trichromacy



Original Color

22.0529, 18.6071, 7.4302

Protanomaly

18.5931, 18.3936, 8.2006

Deuteranomaly

20.0189, 18.4906, 7.3644

Tritanomaly

23.1196, 18.6087, 12.2708

Monochromacy



Original Color

22.0529, 18.6071, 7.4302

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.5860, 18.2538, 14.3481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0529, 18.6071, 7.4302 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(168, 104, 65)` looks like.

```
.text, #text, p{  
    color:rgb(168, 104, 65)  
}
```

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(168, 104, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 104, 65) }
```

Border

The CSS property to change the border of an element to XYZ 22.0529, 18.6071, 7.4302 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(168, 104, 65) }
```


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

```
.border{ border-color:rgb(168, 104, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 104, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 104, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 104, 65);  
box-shadow:4px 4px 4px 4px rgb(168, 104,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0529, 18.6071, 7.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 104, 65) }
```

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

```
.background{ background-color: rgb(168,  
104, 65) }
```

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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