

Converting Colors

XYZ(22.1572, 22.2047, 1.9933)

Have a look what the booklet for
XYZ(22.1572, 22.2047, 1.9933)
contains.

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Color

**XYZ(22.3119, 22.2018,
3.1094)**

Conversions

Conversions Part 1

Format	Color
Hex	A37C00
RGB	163, 124, 0
RGB Percent	64%, 49%, 0%
CMY	0.3608, 0.5137, 1.0000
CMYK	0.00, 0.24, 1.00, 0.36
HSL	46°, 100%, 32%
HSV	46°, 100%, 64%
XYZ	22.3119, 22.2018, 3.1094
YIQ	121.5250, 63.0480, -30.2960

Conversions

Conversions Part 2

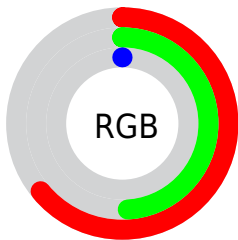
Format	Color
RYB	51, 163, 0
Decimal	10714112
CIELab	54.24, 5.68, 59.97
CIELCh	54, 60.240, 84.591
Yxy	22.2018, 0.4685, 0.4662
Android (android.graphics.Color)	4288904192 (0xFFA37C00)
YUV	121.5250, -59.9118, 36.3736
Hunter-Lab	47.1188, 2.0662, 29.0706

Details

The XYZ color **22.3119, 22.2018, 3.1094** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3365, 4.0956, 35.0539**, and the grayscale version is **18.5191, 19.4835, 21.2176**.

A 20% lighter version of the original color is **46.6627, 46.9855, 11.9199**, and **8.5283, 8.2331, 1.1396** is the 20% darker color. If you saturate the color by 10%, you get **22.3121, 22.2024, 3.1095**, and if you desaturate by 10%, it is **22.9067, 23.2382, 3.7805**.

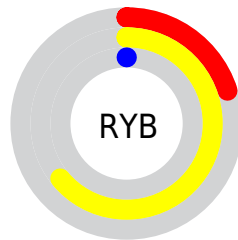
Distribution



Red (64%)

Green (49%)

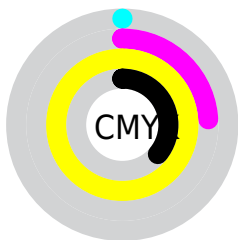
Blue (0%)



Red (20%)

Yellow (64%)

Blue (0%)

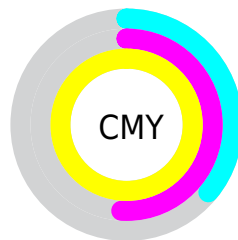


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3119, 22.2018, 3.1094 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 22.3119, 22.2018, 3.1094 by changing the saturation by 10% instead.

■ 22.3119, 22.2018,
3.1094

■ 22.3119, 22.2018,
3.1094

256.7726,
263.5983, 137.7420

■ 14.2041, 14.0053,
1.1508

■ 46.7360, 47.0793,
11.8972

■ 8.3454, 8.1243,
0.0000

■ 63.7830, 64.5290,
19.5635

■ 4.3704, 4.1746,
0.0000

■ 84.5405, 85.8320,
29.9694

■ 1.9138, 1.7717,
0.0000

■ 109.3739,
111.3725, 43.5334

■ 0.5848, 0.4694,
0.0000

■ 138.6484,
141.5350, 60.6742

■ 0.0000, 0.0000,
0.0000

■ 172.7295,

176.7039, 81.8101

■ 211.9824,
217.2635, 107.3599

■ 22.3119, 22.2018,
3.1094

■ 22.3119, 22.2018,
3.1094

■ 22.3121, 22.2024,
3.1095

■ 22.9067, 23.2382,
3.7805

■ 23.5979, 24.3435,
4.8652

■ 24.4190, 25.5324,
6.5368

■ 25.3845, 26.8109,
8.8698

■ 26.5066, 28.1845,
11.9279

■ 27.7961, 29.6576,
15.7672

■ 29.2629, 31.2345,
20.4382

■ 30.9158, 32.9191,
25.9874

■ 32.7633, 34.7151,
32.4574

Harmonies

Analogous

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



29.2741, 22.2018, 5.0813



22.3119, 22.2018, 3.1094



16.2824, 22.2018, 3.9715

Triad

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



22.3119, 22.2018, 3.1094



11.5958, 22.2018, 42.5078



33.1233, 22.2018, 51.6786

Complementary

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



22.3119, 22.2018, 3.1094



7.3365, 4.0956, 35.0539

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.



26.7899, 22.2018, 74.0502



22.3119, 22.2018, 3.1094



14.6129, 22.2018, 67.1070

Square

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



22.3119, 22.2018, 3.1094



10.8821, 22.2018, 20.9305



19.9369, 22.2018, 80.8083



36.2902, 22.2018, 27.7364

Rectangle

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



22.3119, 22.2018, 3.1094



13.4369, 22.2018, 6.5099



19.9369, 22.2018, 80.8083



31.2379, 22.2018, 60.0385

Sweetspot

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



22.3124, 22.2029, 3.1098



52.2518, 55.7754, 36.0931



15.5002, 7.9450, 2.7921



11.4916, 12.2681, 7.3186



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.3124, 22.2029, 3.1098



39.7978, 39.4396, 5.5150



21.1589, 30.3502, 4.7432



7.5052, 7.9487, 7.5188



17.3771, 17.3281, 2.4288



0.3981, 0.4300, 0.0620

Inverse Universe

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



7.3365, 4.0956, 35.0539



13.0075, 7.0718, 62.7355



7.5156, 3.1109, 34.8544



6.8317, 7.1224, 8.9178



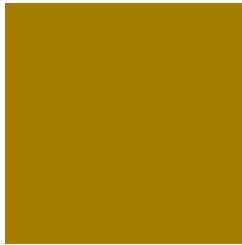
5.7323, 3.2440, 27.2538



0.1543, 0.1359, 0.5840

Previews

White Background



This preview shows how the XYZ color 22.3119, 22.2018, 3.1094 looks on a white background.

Color Contrast Check

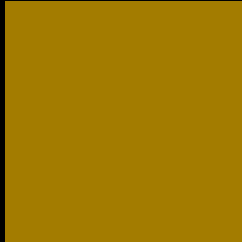
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3119, 22.2018, 3.1094 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 22.3119, 22.2018, 3.1094

Background



This preview shows how black text looks on a background with the XYZ color 22.3119, 22.2018, 3.1094.



This preview shows how white text looks on a background with the XYZ color 22.3119, 22.2018,

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

22.3119, 22.2018, 3.1094

Protanopia

20.0646, 22.1880, 3.4836

Deuteranopia

22.6329, 22.1784, 3.2603



Tritanopia

26.1310, 22.1517, 21.9672

Trichromacy



Original Color

22.3119, 22.2018, 3.1094

Protanomaly

20.8889, 22.2238, 3.3610

Deuteranomaly

22.4147, 22.0672, 3.1929

Tritanomaly

23.8261, 21.7369, 10.3370

Monochromacy



Original Color

22.3119, 22.2018, 3.1094

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7746, 20.0343, 10.0852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3119, 22.2018, 3.1094 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(163, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 124, 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(163, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.3119, 22.2018, 3.1094 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(163, 124, 0) }
```


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

```
.border{ border-color:rgb(163, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3119, 22.2018, 3.1094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 124, 0) }
```

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

```
.background{ background-color: rgb(163,  
124, 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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