

Converting Colors

XYZ(22.4431, 22.7814, 3.1632)

Have a look what the booklet for
XYZ(22.4431, 22.7814, 3.1632)
contains.

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Color

**XYZ(22.4897, 22.8601,
3.2271)**

Conversions

Conversions Part 1

Format	Color
Hex	A27F00
RGB	162, 127, 0
RGB Percent	64%, 50%, 0%
CMY	0.3647, 0.5019, 1.0000
CMYK	0.00, 0.22, 1.00, 0.36
HSL	47°, 100%, 32%
HSV	47°, 100%, 64%
XYZ	22.4897, 22.8601, 3.2271
YIQ	122.9870, 61.6270, -32.0770

Conversions

Conversions Part 2

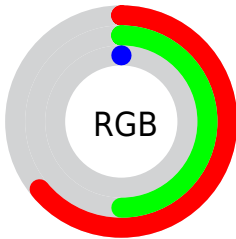
Format	Color
R_{YB}	45, 162, 0
Decimal	10649344
CIE _{Lab}	54.93, 3.53, 60.40
CIE _{LCh}	55, 60.499, 86.653
Yxy	22.8601, 0.4630, 0.4706
Android (android.graphics.Color)	4288839424 (0xFFA27F00)
YUV	122.9870, -60.6326, 34.2144
Hunter-Lab	47.8122, 0.2906, 29.4668

Details

The XYZ color **22.4897, 22.8601, 3.2271** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.1228, 3.8110, 34.5425**, and the grayscale version is **19.0029, 19.9925, 21.7718**.

A 20% lighter version of the original color is **46.9520, 48.0176, 12.1039**, and **8.6682, 8.5129, 1.1863** is the 20% darker color. If you saturate the color by 10%, you get **22.4899, 22.8607, 3.2272**, and if you desaturate by 10%, it is **23.0452, 23.8191, 3.8814**.

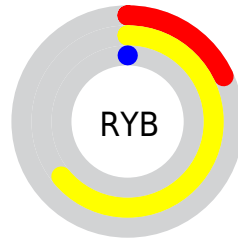
Distribution



Red (64%)

Green (50%)

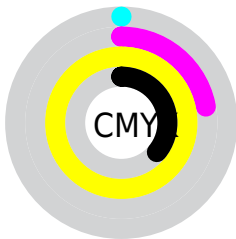
Blue (0%)



Red (18%)

Yellow (64%)

Blue (0%)

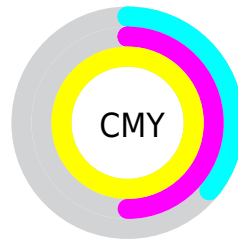


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4897, 22.8601, 3.2271 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 22.4897, 22.8601, 3.2271 by changing the saturation by 10% instead.

■ 22.4897, 22.8601,
3.2271

■ 22.4897, 22.8601,
3.2271

257.6776,
267.0056, 139.2025

■ 14.3358, 14.4902,
1.2117

■ 47.0269, 48.1635,
12.1839

■ 8.4378, 8.4624,
0.0000

■ 64.1409, 65.8658,
19.9623

■ 4.4305, 4.3922,
0.0000

■ 84.9723, 87.4478,
30.4989

■ 1.9485, 1.8953,
0.0000

■ 109.8864,
113.2938, 44.2122

■ 0.6048, 0.5456,
0.0000

■ 139.2487,
143.7881, 61.5206

■ 0.0000, 0.0000,
0.0000

■ 173.4244,

179.3153, 82.8428

■ 212.7789,
220.2597, 108.5972

■ 22.4897, 22.8601,
3.2271

■ 22.4897, 22.8601,
3.2271

■ 22.4899, 22.8607,
3.2272

■ 23.0452, 23.8191,
3.8814

■ 23.6922, 24.8391,
4.9415

■ 24.4638, 25.9346,
6.5791

■ 25.3742, 27.1115,
8.8677

■ 26.4354, 28.3748,
11.8698

■ 27.6580, 29.7290,
15.6408

■ 29.0516, 31.1781,
20.2304

■ 30.6250, 32.7260,
25.6842

■ 32.3863, 34.3760,
32.0443

Harmonies

Analogous

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



29.6179, 22.8601, 5.0276



22.4897, 22.8601, 3.2271



16.4400, 22.8601, 4.3211

Triad

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



22.4897, 22.8601, 3.2271



12.1182, 22.8601, 45.4118



34.3824, 22.8601, 51.2213

Complementary

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



22.4897, 22.8601, 3.2271



7.1228, 3.8110, 34.5425

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.



28.0430, 22.8601, 74.6569



22.4897, 22.8601, 3.2271



15.3805, 22.8601, 70.2602

Square

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



22.4897, 22.8601, 3.2271



11.2272, 22.8601, 22.7956



20.9834, 22.8601, 82.9814



37.3162, 22.8601, 27.1106

Rectangle

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



22.4897, 22.8601, 3.2271



13.6327, 22.8601, 7.1695



20.9834, 22.8601, 82.9814



32.5227, 22.8601, 59.8339

Sweetspot

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



22.4902, 22.8612, 3.2275



52.5869, 56.4457, 36.2048



15.2053, 7.8035, 2.3032



11.5756, 12.4363, 7.3466



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.



22.4902, 22.8612, 3.2275



40.6735, 41.1909, 5.8069



20.1364, 29.5606, 4.6447



7.5190, 7.9764, 7.5234



17.7505, 18.0749, 2.5532



0.4036, 0.4411, 0.0639

Inverse Universe

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



7.1228, 3.8110, 34.5425



12.8058, 6.6683, 62.6683



7.6441, 3.1875, 34.3946



6.8188, 7.0966, 8.9135



5.6384, 3.0562, 27.2225



0.1498, 0.1269, 0.5825

Previews

White Background



This preview shows how the XYZ color 22.4897, 22.8601, 3.2271 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 22.4897, 22.8601, 3.2271 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 22.4897, 22.8601, 3.2271

Background



This preview shows how black text looks on a background with the XYZ color 22.4897, 22.8601, 3.2271.



This preview shows how white text looks on a background with the XYZ color 22.4897, 22.8601,

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

22.4897, 22.8601, 3.2271

Protanopia

20.6895, 22.9096, 3.5613

Deuteranopia

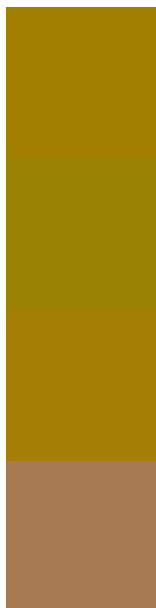
23.3193, 22.9024, 3.4500



Tritanopia

26.4576, 22.8140, 23.0877

Trichromacy



Original Color

22.4897, 22.8601, 3.2271

Protanomaly

21.3365, 22.8462, 3.4288

Deuteranomaly

23.0108, 22.9342, 3.3862

Tritanomaly

24.0485, 22.3758, 10.8361

Monochromacy



Original Color

22.4897, 22.8601, 3.2271

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8993, 20.2837, 10.1268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4897, 22.8601, 3.2271 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(162, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 127, 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(162, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4897, 22.8601, 3.2271 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(162, 127, 0) }
```


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

```
.border{ border-color:rgb(162, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4897, 22.8601, 3.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 127, 0) }
```

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

```
.background{ background-color: rgb(162,  
127, 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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