

Converting Colors

XYZ(22.0432, 12.9327, 1.3345)

Have a look what the booklet for
XYZ(22.0432, 12.9327, 1.3345)
contains.

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Color

**XYZ(22.0432, 12.9327,
1.3345)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3000
RGB	189, 48, 0
RGB Percent	74%, 19%, 0%
CMY	0.2588, 0.8117, 1.0000
CMYK	0.00, 0.75, 1.00, 0.26
HSL	15°, 100%, 37%
HSV	15°, 100%, 74%
XYZ	22.0432, 12.9327, 1.3345
YIQ	84.6870, 99.4440, 14.9640

Conversions

Conversions Part 2

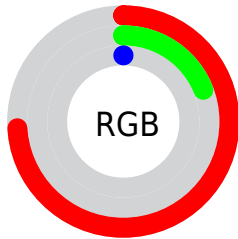
Format	Color
RYB	189, 64, 0
Decimal	12398592
CIELab	42.66, 54.34, 55.03
CIElCh	43, 77.340, 45.359
Yxy	12.9327, 0.6071, 0.3562
Android (android.graphics.Color)	4290588672 (0xFFBD3000)
YUV	84.6870, -41.7507, 91.4825
Hunter-Lab	35.9621, 46.4792, 22.9733

Details

The XYZ color **22.0432, 12.9327, 1.3345** is a dark color, and the websafe version is hex **CC3300**, and the color name is **lemon iced tea**. A complement of this color would be **18.7090, 22.7215, 51.5433**, and the grayscale version is **8.6400, 9.0900, 9.8990**.

A 20% lighter version of the original color is **46.1242, 31.0496, 7.0522**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **22.0434, 12.9333, 1.3346**, and if you desaturate by 10%, it is **22.8314, 14.3226, 2.1730**.

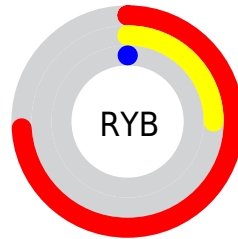
Distribution



Red (74%)

Green (19%)

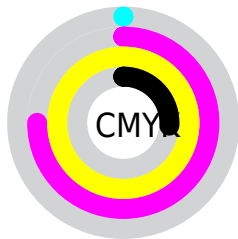
Blue (0%)



Red (74%)

Yellow (25%)

Blue (0%)

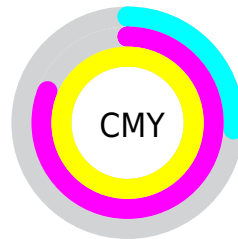


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0432, 12.9327, 1.3345 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 22.0432, 12.9327, 1.3345 by changing the saturation by 10% instead.


 22.0432, 12.9327,
1.3345


 22.0432, 12.9327,
1.3345


 255.3999,
210.4859, 110.9947


 14.0054, 7.3822,
0.0898


 46.2957, 31.1828,
7.1252


 8.2062, 3.7023,
0.0000


 63.2412, 44.6513,
12.7459


 4.2801, 1.5084,
0.0000

 83.8865, 61.5278,
20.7417

 1.8618, 0.2947,
0.0000

 108.5972, 82.1968,
31.5310

 0.5545, 0.0000,
0.0000


 137.7385,
107.0428, 45.5324


 0.0000, 0.0000,
0.0000


 171.6758,


136.4500, 63.1645


 210.7745,
170.8029, 84.8457


 22.0432, 12.9327,
1.3345


 22.0432, 12.9327,
1.3345


 22.0434, 12.9333,
1.3346

 22.8314, 14.3226,
2.1730

 23.9316, 16.1551,
3.6740

 25.3994, 18.4755,
6.0596

 27.2682, 21.3178,
9.4429

 29.5673, 24.7123,
13.9200

■ 32.3230, 28.6872,
19.5756

■ 35.5595, 33.2686,
26.4859

■ 39.2990, 38.4808,
34.7208

■ 43.5625, 44.3469,
44.3450

Harmonies

Analogous

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



26.6920, 12.9327, 7.1415



22.0432, 12.9327, 1.3345



15.3693, 12.9327, 0.0000

Triad

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



22.0432, 12.9327, 1.3345



4.2901, 12.9327, 7.3928



15.5282, 12.9327, 73.8450

Complementary

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



22.0432, 12.9327, 1.3345



18.7090, 22.7215, 51.5433

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.



9.6558, 12.9327, 74.1614



22.0432, 12.9327, 1.3345



4.3082, 12.9327, 24.4872

Square

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



22.0432, 12.9327, 1.3345



5.8866, 12.9327, 1.3948



5.9479, 12.9327, 51.8391



22.1909, 12.9327, 51.1603

Rectangle

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



22.0432, 12.9327, 1.3345



11.2686, 12.9327, 0.0000



5.9479, 12.9327, 51.8391



13.3759, 12.9327, 76.9434

Sweetspot

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



22.0435, 12.9335, 1.3347



63.3881, 59.1638, 46.7871



25.8499, 12.7643, 26.5943



13.0866, 11.9548, 8.8888



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.0435, 12.9335, 1.3347



39.3190, 22.8416, 2.3365



30.6220, 30.0905, 4.1942



9.7219, 9.9197, 9.9789



14.8844, 8.8076, 0.9155



0.6375, 0.4539, 0.0540

Inverse Universe

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



18.7090, 22.7215, 51.5433



33.3057, 40.2899, 92.2475



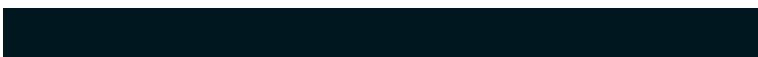
10.2119, 5.7274, 48.7109



9.5978, 10.3880, 12.1714



12.6516, 15.4150, 34.7015



0.5451, 0.7028, 1.3758

Previews

White Background



This preview shows how the XYZ color 22.0432, 12.9327, 1.3345 looks on a white 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

Black Background



This preview shows how the XYZ color 22.0432, 12.9327, 1.3345 looks on a black 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

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

XYZ 22.0432, 12.9327, 1.3345

Background



This preview shows how black text looks on a background with the XYZ color 22.0432, 12.9327, 1.3345.



This preview shows how white text looks on a background with the XYZ color 22.0432, 12.9327,

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

22.0432, 12.9327, 1.3345

Protanopia

11.9664, 13.2055, 2.6773

Deuteranopia

13.1768, 13.1386, 1.8415



Tritanopia

22.6667, 13.0212, 3.9034

Trichromacy



Original Color

22.0432, 12.9327, 1.3345

Protanomaly

14.2519, 11.8171, 1.9452

Deuteranomaly

15.3737, 12.0760, 1.5206

Tritanomaly

22.4340, 12.9898, 2.4873

Monochromacy



Original Color

22.0432, 12.9327, 1.3345

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.1516, 9.1120, 4.6611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0432, 12.9327, 1.3345 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(189, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 48, 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(189, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.0432, 12.9327, 1.3345 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(189, 48, 0) }
```


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

```
.border{ border-color:rgb(189, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0432, 12.9327, 1.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 48, 0) }
```

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

```
.background{ background-color: rgb(189, 48,  
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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