

Converting Colors

XYZ(22.5201, 13.0514, 1.3322)

Have a look what the booklet for
XYZ(22.5201, 13.0514, 1.3322)
contains.

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Color

**XYZ(22.4629, 13.0304,
1.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2E00
RGB	191, 46, 0
RGB Percent	75%, 18%, 0%
CMY	0.2510, 0.8196, 1.0000
CMYK	0.00, 0.76, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.4629, 13.0304, 1.3312
YIQ	84.1110, 101.1860, 16.4340

Conversions

Conversions Part 2

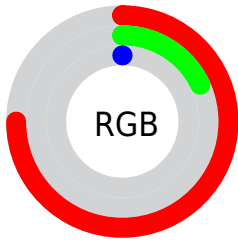
Format	Color
R_{YB}	191, 61, 0
Decimal	12529152
CIE _{Lab}	42.81, 55.65, 55.32
CIE _{LCh}	43, 78.466, 44.832
Yxy	13.0304, 0.6100, 0.3539
Android (android.graphics.Color)	4290719232 (0xFFBF2E00)
YUV	84.1110, -41.4667, 93.7417
Hunter-Lab	36.0976, 47.9064, 23.0819

Details

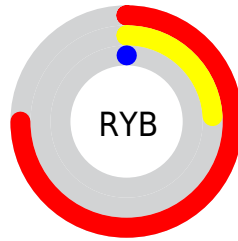
The XYZ color **22.4629, 13.0304, 1.3312** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.5278, 24.0092, 52.8949**, and the grayscale version is **8.5192, 8.9629, 9.7606**.

A 20% lighter version of the original color is **46.7561, 31.2268, 7.0531**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.4631, 13.0311, 1.3313**, and if you desaturate by 10%, it is **23.2469, 14.4091, 2.1767**.

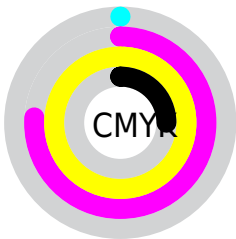
Distribution



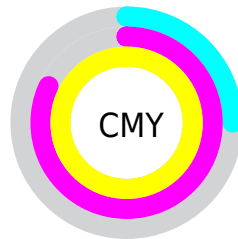
- Red (75%)
- Green (18%)
- Blue (0%)



- Red (75%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (25%)





- Cyan (25%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4629, 13.0304, 1.3312 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 22.4629, 13.0304, 1.3312 by changing the saturation by 10% instead.


 22.4629, 13.0304,
1.3312


 22.4629, 13.0304,
1.3312


 257.5414,
211.1124, 110.9317


 14.3159, 7.4495,
0.0872


 46.9831, 31.3584,
7.1151


 8.4239, 3.7448,
0.0000


 64.0870, 44.8742,
12.7311

 4.4214, 1.5318,
0.0000

 84.9072, 61.8039,
20.7211

 1.9432, 0.3110,
0.0000

 109.8092, 82.5317,
31.5038


 0.6018, 0.0000,
0.0000


 139.1583,
107.4420, 45.4977


 0.0000, 0.0000,
0.0000


 173.3197,


136.9193, 63.1213


 212.6590,
171.3480, 84.7931


 22.4629, 13.0304,
1.3312


 22.4629, 13.0304,
1.3312


 22.4631, 13.0311,
1.3313

 23.2469, 14.4091,
2.1767

 24.3556, 16.2510,
3.7039

 25.8466, 18.6044,
6.1392

 27.7553, 21.5058,
9.5991

 30.1124, 24.9881,
14.1825

■ 32.9456, 29.0814,
19.9766

■ 36.2803, 33.8138,
27.0598

■ 40.1400, 39.2114,
35.5041

■ 44.5466, 45.2990,
45.3758

Harmonies

Analogous

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



27.1616, 13.0304, 7.3162



22.4629, 13.0304, 1.3312



15.6446, 13.0304, 0.0000

Triad

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



22.4629, 13.0304, 1.3312



4.2706, 13.0304, 7.1968



15.5686, 13.0304, 75.7881

Complementary

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



22.4629, 13.0304, 1.3312



19.5278, 24.0092, 52.8949

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.



9.6129, 13.0304, 75.6353



22.4629, 13.0304, 1.3312



4.2621, 13.0304, 24.4002

Square

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



22.4629, 13.0304, 1.3312



5.9172, 13.0304, 1.3032



5.8881, 13.0304, 52.3849



22.3920, 13.0304, 52.7120

Rectangle

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



22.4629, 13.0304, 1.3312



11.4413, 13.0304, 0.0000



5.8881, 13.0304, 52.3849



13.3793, 13.0304, 78.8237

Sweetspot

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



22.4632, 13.0312, 1.3314



64.6734, 60.1311, 47.8066



26.7078, 13.1652, 28.5047



13.6213, 12.3836, 9.2556



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.4632, 13.0312, 1.3314



40.0755, 23.0262, 2.3323



30.8736, 29.8520, 4.1349



9.7118, 9.8996, 9.9756



14.8161, 8.6709, 0.8928



0.6331, 0.4452, 0.0526

Inverse Universe

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



19.5278, 24.0092, 52.8949



34.7757, 42.6033, 94.6695



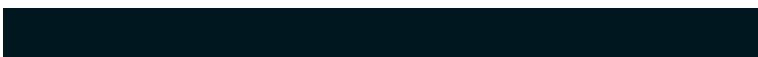
10.5849, 6.1235, 49.9140



9.6086, 10.4094, 12.1750



12.8984, 15.9086, 34.7838



0.5530, 0.7187, 1.3784

Previews

White Background



This preview shows how the XYZ color 22.4629, 13.0304, 1.3312 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 22.4629, 13.0304, 1.3312 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 22.4629, 13.0304, 1.3312

Background



This preview shows how black text looks on a background with the XYZ color 22.4629, 13.0304, 1.3312.



This preview shows how white text looks on a background with the XYZ color 22.4629, 13.0304,

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

22.4629, 13.0304, 1.3312

Protanopia

11.9664, 13.2055, 2.6773

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

23.0567, 13.1161, 3.6993

Trichromacy



Original Color

22.4629, 13.0304, 1.3312

Protanomaly

14.4243, 11.9059, 1.9533

Deuteranomaly

15.6733, 12.1242, 1.5141

Tritanomaly

22.8485, 13.0917, 2.4213

Monochromacy



Original Color

22.4629, 13.0304, 1.3312

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.0011, 8.8483, 4.4962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4629, 13.0304, 1.3312 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(191, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 46, 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(191, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4629, 13.0304, 1.3312 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(191, 46, 0) }
```


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

```
.border{ border-color:rgb(191, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4629, 13.0304, 1.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 46, 0) }
```

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

```
.background{ background-color: rgb(191, 46,  
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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