

Converting Colors

XYZ(22.1916, 13.7901, 0.6413)

Have a look what the booklet for
XYZ(22.1916, 13.7901, 0.6413)
contains.

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Color

**XYZ(22.3030, 13.8193,
1.4919)**

Conversions

Conversions Part 1

Format	Color
Hex	BC3B00
RGB	188, 59, 0
RGB Percent	74%, 23%, 0%
CMY	0.2627, 0.7686, 1.0000
CMYK	0.00, 0.69, 1.00, 0.26
HSL	19°, 100%, 37%
HSV	19°, 100%, 74%
XYZ	22.3030, 13.8193, 1.4919
YIQ	90.8450, 95.8230, 8.9990

Conversions

Conversions Part 2

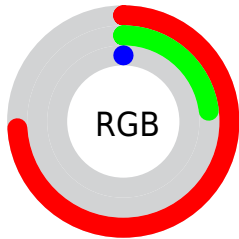
Format	Color
R_{YB}	188, 86, 0
Decimal	12335872
CIE _{Lab}	43.97, 49.90, 55.54
CIE _{LCh}	44, 74.663, 48.066
Yxy	13.8193, 0.5929, 0.3674
Android (android.graphics.Color)	4290525952 (0xFFBC3B00)
YUV	90.8450, -44.7866, 85.2049
Hunter-Lab	37.1743, 42.0373, 23.6426

Details

The XYZ color **22.3030, 13.8193, 1.4919** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **16.9264, 19.3295, 50.4154**, and the grayscale version is **9.9928, 10.5132, 11.4489**.

A 20% lighter version of the original color is **46.7638, 32.7912, 7.6060**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **22.3032, 13.8199, 1.4920**, and if you desaturate by 10%, it is **23.1661, 15.3605, 2.3512**.

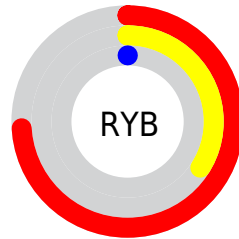
Distribution



Red (74%)

Green (23%)

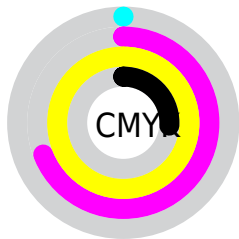
Blue (0%)



Red (74%)

Yellow (34%)

Blue (0%)

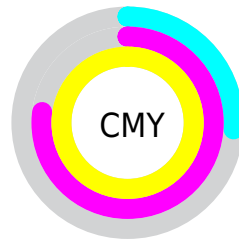


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3030, 13.8193, 1.4919 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 22.3030, 13.8193, 1.4919 by changing the saturation by 10% instead.


 22.3030, 13.8193,
1.4919

 22.3030, 13.8193,
1.4919


 256.7273,
216.1038, 113.9082


 14.1976, 7.9951,
0.2119


 46.7214, 32.7681,
7.5983


 8.3408, 4.0918,
0.0000


 63.7651, 46.6614,
13.4406

 4.3674, 1.7251,
0.0000

 84.5189, 64.0132,
21.7002

 1.9120, 0.4398,
0.0000

 109.3482, 85.2080,
32.7957


 0.5838, 0.0000,
0.0000


 138.6183,
110.6300, 47.1458


 0.0000, 0.0000,
0.0000


 172.6946,


140.6637, 65.1688


 211.9425,
175.6935, 87.2834


 22.3030, 13.8193,
1.4919


 22.3030, 13.8193,
1.4919


 22.3032, 13.8199,
1.4920

 23.1661, 15.3605,
2.3512

 24.3157, 17.2954,
3.8570

 25.8028, 19.6613,
6.2282

 27.6573, 22.4851,
9.5753

 29.9051, 25.7910,
13.9922

■ 32.5696, 29.6015,
19.5615

■ 35.6720, 33.9374,
26.3577

■ 39.2324, 38.8184,
34.4491

■ 43.2691, 44.2630,
43.8987

Harmonies

Analogous

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



27.1979, 13.8193, 7.0333



22.3030, 13.8193, 1.4919



15.6316, 13.8193, 0.1934

Triad

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



22.3030, 13.8193, 1.4919



4.8499, 13.8193, 9.2631



16.9898, 13.8193, 72.1744

Complementary

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



22.3030, 13.8193, 1.4919



16.9264, 19.3295, 50.4154

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.



10.9192, 13.8193, 74.7717



22.3030, 13.8193, 1.4919



5.0139, 13.8193, 27.5873

Square

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



22.3030, 13.8193, 1.4919



6.3571, 13.8193, 2.0849



6.9027, 13.8193, 54.6516



23.5509, 13.8193, 49.0304

Rectangle

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



22.3030, 13.8193, 1.4919



11.6017, 13.8193, 0.1322



6.9027, 13.8193, 54.6516



14.7974, 13.8193, 75.8897

Sweetspot

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



22.3033, 13.8201, 1.4921



64.3548, 61.0971, 47.1093



24.8764, 12.3463, 22.7586



13.3116, 12.4049, 8.9638



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.



22.3033, 13.8201, 1.4921



40.2288, 24.6612, 2.6398



31.7092, 32.6318, 4.6274



9.7680, 10.0119, 9.9943



15.2448, 9.5283, 1.0357



0.6573, 0.4936, 0.0606

Inverse Universe

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



16.9264, 19.3295, 50.4154



30.4471, 34.5727, 91.2947



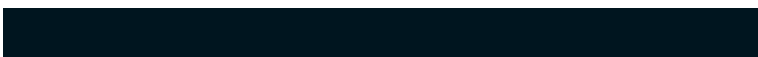
9.7575, 4.9917, 48.0258



9.5491, 10.2906, 12.1552



11.5932, 13.2982, 34.3487



0.5102, 0.6330, 1.3641

Previews

White Background



This preview shows how the XYZ color 22.3030, 13.8193, 1.4919 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 22.3030, 13.8193, 1.4919 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 22.3030, 13.8193, 1.4919

Background



This preview shows how black text looks on a background with the XYZ color 22.3030, 13.8193, 1.4919.



This preview shows how white text looks on a background with the XYZ color 22.3030, 13.8193,

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

22.3030, 13.8193, 1.4919

Protanopia

12.6491, 14.0052, 2.6984

Deuteranopia

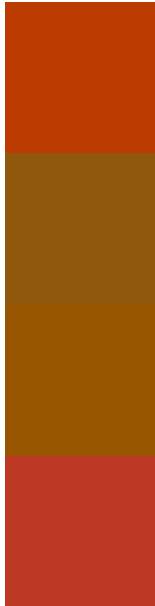
14.0729, 14.0199, 1.9644



Tritanopia

23.1162, 13.8567, 5.4592

Trichromacy



Original Color

22.3030, 13.8193, 1.4919

Protanomaly

14.8901, 12.8481, 2.0759

Deuteranomaly

16.1974, 13.1724, 1.6888

Tritanomaly

22.7344, 13.7807, 3.2120

Monochromacy



Original Color

22.3030, 13.8193, 1.4919

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.1639, 10.3331, 5.3564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3030, 13.8193, 1.4919 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(188, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 59, 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(188, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.3030, 13.8193, 1.4919 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(188, 59, 0) }
```


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

```
.border{ border-color:rgb(188, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.3030, 13.8193, 1.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 59, 0) }
```

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

```
.background{ background-color: rgb(188, 59,  
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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