

Converting Colors

XYZ(22.1523, 12.3159, 1.2096)

Have a look what the booklet for
XYZ(22.1523, 12.3159, 1.2096)
contains.

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Color

**XYZ(22.0869, 12.2784,
1.2059)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2300
RGB	191, 35, 0
RGB Percent	75%, 14%, 0%
CMY	0.2510, 0.8627, 1.0000
CMYK	0.00, 0.82, 1.00, 0.25
HSL	11°, 100%, 37%
HSV	11°, 100%, 75%
XYZ	22.0869, 12.2784, 1.2059
YIQ	77.6540, 104.2110, 22.1870

Conversions

Conversions Part 2

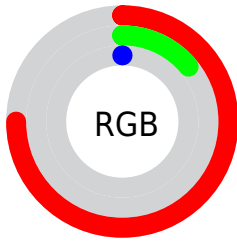
Format	Color
R_{YB}	191, 43, 0
Decimal	12526336
CIE Lab	41.66, 58.88, 54.82
CIE LCh	42, 80.456, 42.955
Yxy	12.2784, 0.6209, 0.3452
Android (android.graphics.Color)	4290716416 (0xFFBF2300)
YUV	77.6540, -38.2834, 99.4044
Hunter-Lab	35.0405, 51.1919, 22.4880

Details

The XYZ color **22.0869, 12.2784, 1.2059** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.2905, 27.5346, 53.4825**, and the grayscale version is **7.2335, 7.6102, 8.2876**.

A 20% lighter version of the original color is **46.0655, 29.8828, 6.7082**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.0871, 12.2790, 1.2060**, and if you desaturate by 10%, it is **22.7711, 13.4576, 2.0181**.

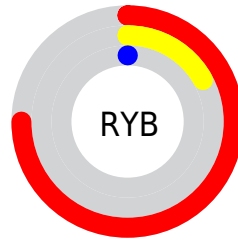
Distribution



Red (75%)

Green (14%)

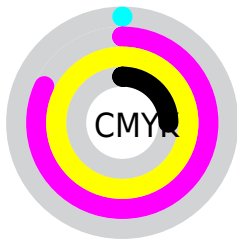
Blue (0%)



Red (75%)

Yellow (17%)

Blue (0%)

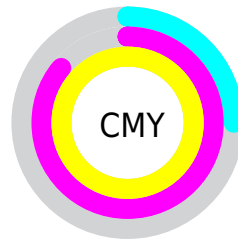


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0869, 12.2784, 1.2059 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 22.0869, 12.2784, 1.2059 by changing the saturation by 10% instead.


 22.0869, 12.2784,
1.2059


 22.0869, 12.2784,
1.2059

 255.6236,
206.2398, 108.4803


 14.0377, 6.9336,
0.0000


 46.3674, 30.0011,
6.7266


 8.2288, 3.4206,
0.0000


 63.3294, 43.1479,
12.1567

 4.2947, 1.3551,
0.0000

 83.9930, 59.6640,
19.9245

 1.8702, 0.1832,
0.0000

 108.7237, 79.9339,
30.4488


 0.5594, 0.0000,
0.0000


 137.8867,
104.3421, 44.1479


 0.0000, 0.0000,
0.0000


 171.8475,


133.2729, 61.4406


 210.9713,
167.1106, 82.7452


 22.0869, 12.2784,
1.2059


 22.0869, 12.2784,
1.2059


 22.0871, 12.2790,
1.2060

 22.7711, 13.4576,
2.0181

 23.7994, 15.1387,
3.5186

 25.2348, 17.3807,
5.9354

 27.1168, 20.2289,
9.3864

 29.4802, 23.7237,
13.9720

■ 32.3559, 27.9020,
19.7802

■ 35.7724, 32.7980,
26.8908

■ 39.7560, 38.4434,
35.3764

■ 44.3312, 44.8681,
45.3044

Harmonies

Analogous

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



26.5681, 12.2784, 7.3322



22.0869, 12.2784, 1.2059



15.3180, 12.2784, 0.0000

Triad

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



22.0869, 12.2784, 1.2059



3.8416, 12.2784, 5.9328



14.4002, 12.2784, 76.5185

Complementary

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



22.0869, 12.2784, 1.2059



21.2905, 27.5346, 53.4825

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.



8.6531, 12.2784, 74.6159



22.0869, 12.2784, 1.2059



3.7427, 12.2784, 22.0470

Square

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



22.0869, 12.2784, 1.2059



5.5251, 12.2784, 0.9043



5.1849, 12.2784, 49.9321



21.2232, 12.2784, 53.9802

Rectangle

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



22.0869, 12.2784, 1.2059



11.0956, 12.2784, 0.0000



5.1849, 12.2784, 49.9321



12.2644, 12.2784, 79.0517

Sweetspot

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



22.0872, 12.2792, 1.2061



63.7550, 58.2941, 47.5004



27.7582, 13.5853, 34.0360



13.4042, 11.9495, 9.1832



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.



22.0872, 12.2792, 1.2061



39.4328, 21.7408, 2.1180



29.1183, 26.3414, 3.5498



9.6679, 9.8117, 9.9609



14.5591, 8.1570, 0.8071



0.6140, 0.4069, 0.0462

Inverse Universe

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



21.2905, 27.5346, 53.4825



37.9652, 48.9823, 95.7327



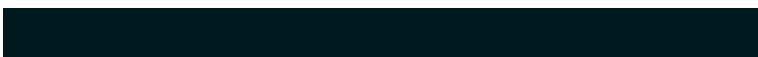
11.2187, 7.3911, 50.1252



9.6558, 10.5040, 12.1908



14.0461, 18.2040, 35.1663



0.5895, 0.7917, 1.3906

Previews

White Background



This preview shows how the XYZ color 22.0869, 12.2784, 1.2059 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 22.0869, 12.2784, 1.2059 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 22.0869, 12.2784, 1.2059

Background



This preview shows how black text looks on a background with the XYZ color 22.0869, 12.2784, 1.2059.



This preview shows how white text looks on a background with the XYZ color 22.0869, 12.2784,

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

22.0869, 12.2784, 1.2059

Protanopia

11.3939, 12.6209, 2.6462

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

22.2904, 12.2684, 2.5597

Trichromacy



Original Color

22.0869, 12.2784, 1.2059

Protanomaly

13.6552, 10.8661, 1.8296

Deuteranomaly

14.9602, 11.2491, 1.3828

Tritanomaly

22.1842, 12.2709, 1.8611

Monochromacy



Original Color

22.0869, 12.2784, 1.2059

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.9061, 7.5975, 3.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0869, 12.2784, 1.2059 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, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 35, 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, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 35, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.0869, 12.2784, 1.2059 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, 35, 0) }
```


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

```
.border{ border-color:rgb(191, 35, 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, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0869, 12.2784, 1.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 35, 0) }
```

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

```
.background{ background-color: rgb(191, 35,  
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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