

Converting Colors

XYZ(22.0076, 12.0265, 1.1614)

Have a look what the booklet for
XYZ(22.0076, 12.0265, 1.1614)
contains.

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Color

**XYZ(21.9501, 12.0049,
1.1603)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1E00
RGB	191, 30, 0
RGB Percent	75%, 12%, 0%
CMY	0.2510, 0.8823, 1.0000
CMYK	0.00, 0.84, 1.00, 0.25
HSL	9°, 100%, 37%
HSV	9°, 100%, 75%
XYZ	21.9501, 12.0049, 1.1603
YIQ	74.7190, 105.5860, 24.8020

Conversions

Conversions Part 2

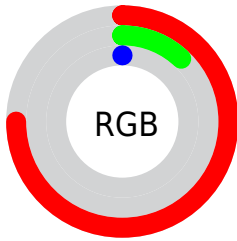
Format	Color
RYB	191, 36, 0
Decimal	12525056
CIELab	41.22, 60.11, 54.65
CIElCh	41, 81.238, 42.277
Yxy	12.0049, 0.6251, 0.3419
Android (android.graphics.Color)	4290715136 (0xFFBF1E00)
YUV	74.7190, -36.8365, 101.9784
Hunter-Lab	34.6481, 52.4484, 22.2681

Details

The XYZ color **21.9501, 12.0049, 1.1603** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.1460, 29.2458, 53.7675**, and the grayscale version is **6.6895, 7.0379, 7.6643**.

A 20% lighter version of the original color is **45.7970, 29.3457, 6.6187**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.9503, 12.0056, 1.1604**, and if you desaturate by 10%, it is **22.5856, 13.0866, 1.9562**.

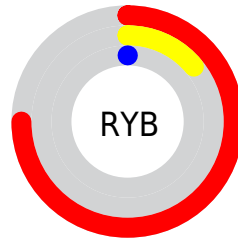
Distribution



Red (75%)

Green (12%)

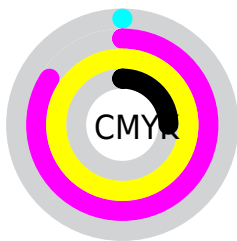
Blue (0%)



Red (75%)

Yellow (14%)

Blue (0%)

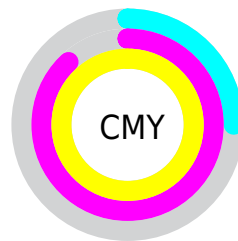


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9501, 12.0049, 1.1603 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 21.9501, 12.0049, 1.1603 by changing the saturation by 10% instead.


 21.9501, 12.0049,
1.1603


 21.9501, 12.0049,
1.1603


 254.9228,
204.4377, 107.5557


 13.9366, 6.7470,
0.0000


 46.1430, 29.5040,
6.5824


 8.1580, 3.3044,
0.0000

 63.0531, 42.5141,
11.9424

 4.2489, 1.2926,
0.0000

 83.6595, 58.8769,
19.6264

 1.8439, 0.1355,
0.0000

 108.3275, 78.9771,
30.0530


 0.5439, 0.0000,
0.0000


 137.4225,
103.1988, 43.6407


 0.0000, 0.0000,
0.0000


 171.3098,


131.9266, 60.8080


 210.3548,
165.5447, 81.9735


 21.9501, 12.0049,
1.1603


 21.9501, 12.0049,
1.1603


 21.9503, 12.0056,
1.1604

 22.5856, 13.0866,
1.9562

 23.5730, 14.6860,
3.4431

 24.9783, 16.8679,
5.8498

 26.8435, 19.6823,
9.2952

 29.2051, 23.1736,
13.8801

■ 32.0960, 27.3824,
19.6933

■ 35.5462, 32.3458,
26.8151

■ 39.5835, 38.0985,
35.3185

■ 44.2335, 44.6730,
45.2714

Harmonies

Analogous

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



26.3525, 12.0049, 7.3374



21.9501, 12.0049, 1.1603



15.1979, 12.0049, 0.0000

Triad

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



21.9501, 12.0049, 1.1603



3.6879, 12.0049, 5.5001



13.9795, 12.0049, 76.8137

Complementary

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



21.9501, 12.0049, 1.1603



22.1460, 29.2458, 53.7675

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.



8.3109, 12.0049, 74.2570



21.9501, 12.0049, 1.1603



3.5589, 12.0049, 21.2095

Square

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



21.9501, 12.0049, 1.1603



5.3822, 12.0049, 0.7668



4.9362, 12.0049, 49.0457



20.7993, 12.0049, 54.4722

Rectangle

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



21.9501, 12.0049, 1.1603



10.9682, 12.0049, 0.0000



4.9362, 12.0049, 49.0457



11.8642, 12.0049, 79.1588

Sweetspot

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



21.9504, 12.0057, 1.1605



63.3466, 57.4775, 47.3643



28.0384, 13.6974, 35.5116



13.3081, 11.7573, 9.1512



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.



21.9504, 12.0057, 1.1605



39.2026, 21.2804, 2.0413



28.7121, 25.5292, 3.4144



9.6480, 9.7720, 9.9543



14.4646, 7.9679, 0.7756



0.6053, 0.3895, 0.0433

Inverse Universe

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



22.1460, 29.2458, 53.7675



39.5155, 52.0829, 96.2495



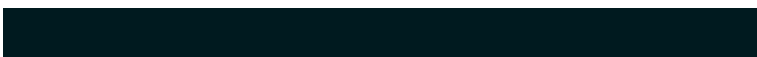
11.4022, 7.7582, 50.1862



9.6774, 10.5472, 12.1980



14.6026, 19.3170, 35.3518



0.6069, 0.8264, 1.3964

Previews

White Background



This preview shows how the XYZ color 21.9501, 12.0049, 1.1603 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

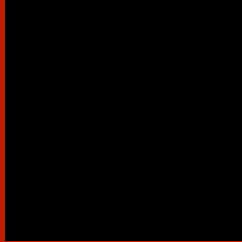
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9501, 12.0049, 1.1603

Background



This preview shows how black text looks on a background with the XYZ color 21.9501, 12.0049, 1.1603.



This preview shows how white text looks on a background with the XYZ color 21.9501, 12.0049,

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

21.9501, 12.0049, 1.1603

Protanopia

11.1823, 12.3691, 2.6623

Deuteranopia

12.3149, 12.2905, 1.7232



Tritanopia

22.0876, 11.9815, 2.1258

Trichromacy



Original Color

21.9501, 12.0049, 1.1603

Protanomaly

13.3502, 10.5075, 1.7765

Deuteranomaly

14.4660, 10.8024, 1.3226

Tritanomaly

22.0264, 11.9956, 1.6848

Monochromacy



Original Color

21.9501, 12.0049, 1.1603

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.4336, 7.1232, 3.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9501, 12.0049, 1.1603 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, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 30, 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, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 30, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.9501, 12.0049, 1.1603 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, 30, 0) }
```


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

```
.border{ border-color:rgb(191, 30, 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, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9501, 12.0049, 1.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 30, 0) }
```

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

```
.background{ background-color: rgb(191, 30,  
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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