

Converting Colors

XYZ(21.9550, 11.7317, 1.7291)

Have a look what the booklet for
XYZ(21.9550, 11.7317, 1.7291)
contains.

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Color

**XYZ(21.8903, 11.6972,
1.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1613
RGB	191, 22, 19
RGB Percent	75%, 9%, 7%
CMY	0.2510, 0.9136, 0.9255
CMYK	0.00, 0.88, 0.90, 0.25
HSL	1°, 82%, 41%
HSV	1°, 90%, 75%
XYZ	21.8903, 11.6972, 1.7201
YIQ	72.1890, 101.6870, 34.8950

Conversions

Conversions Part 2

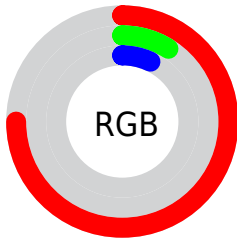
Format	Color
R_{YB}	191, 22, 19
Decimal	12523027
CIE Lab	40.73, 61.95, 47.63
CIE LCh	41, 78.146, 37.551
Yxy	11.6972, 0.6200, 0.3313
Android (android.graphics.Color)	4290713107 (0xFFBF1613)
YUV	72.1890, -26.2222, 104.1972
Hunter-Lab	34.2012, 54.3961, 20.9589

Details

The XYZ color **21.8903, 11.6972, 1.7201** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **27.6509, 39.8568, 55.5256**, and the grayscale version is **6.2255, 6.5497, 7.1326**.

A 20% lighter version of the original color is **45.7957, 28.7981, 8.2991**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.5221, 11.1491, 1.0177**, and if you desaturate by 10%, it is **22.6227, 12.7880, 3.1182**.

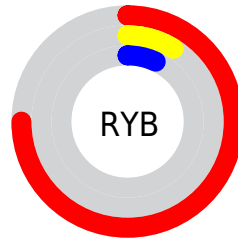
Distribution



Red (75%)

Green (9%)

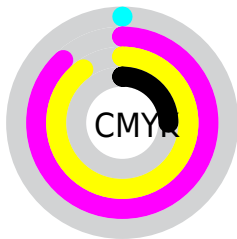
Blue (7%)



Red (75%)

Yellow (9%)

Blue (7%)

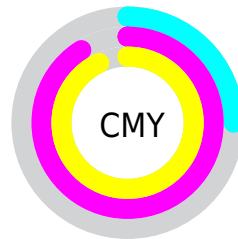


Cyan (0%)

Magenta (88%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (91%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8903, 11.6972, 1.7201 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 21.8903, 11.6972, 1.7201 by changing the saturation by 10% instead.


 21.8903, 11.6972,
1.7201


 21.8903, 11.6972,
1.7201


254.6160,
202.3902, 117.8669


 13.8925, 6.5378,
0.3745


 46.0448, 28.9424,
8.2604


 8.1271, 3.1748,
0.0000


 62.9322, 41.7970,
14.4043


 4.2289, 1.2237,
0.0000

 83.5135, 57.9856,
23.0219

 1.8324, 0.0809,
0.0000

 108.1541, 77.8924,
34.5320

 0.5371, 0.0000,
0.0000


 137.2193,
101.9018, 49.3530


 0.0000, 0.0000,
0.0000


 171.0744,


130.3984, 67.9034


 210.0849,
163.7664, 90.6019


 21.8903, 11.6972,
1.7201


 21.8903, 11.6972,
1.7201


 21.5221, 11.1491,
1.0177

 22.6227, 12.7880,
3.1182

 23.8216, 14.5585,
5.4516

 25.5474, 17.0959,
8.8456

 27.8515, 20.4738,
13.4059

 30.7788, 24.7573,
19.2255

■ 34.3702, 30.0051,
26.3881

■ 38.6629, 36.2708,
34.9702

■ 43.6914, 43.6042,
45.0425

■ 49.4878, 52.0519,
56.6709

Harmonies

Analogous

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



25.3856, 11.6972, 9.1310



21.8903, 11.6972, 1.7201



15.7049, 11.6972, 0.0000

Triad

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



21.8903, 11.6972, 1.7201



3.8897, 11.6972, 4.2741



12.5783, 11.6972, 73.2940

Complementary

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



21.8903, 11.6972, 1.7201



27.6509, 39.8568, 55.5256

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.



7.5241, 11.6972, 66.9106



21.8903, 11.6972, 1.7201



3.5453, 11.6972, 17.1840

Square

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



21.8903, 11.6972, 1.7201



5.8046, 11.6972, 0.5782



4.6275, 11.6972, 41.8716



18.9618, 11.6972, 55.5044

Rectangle

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



21.8903, 11.6972, 1.7201



11.5795, 11.6972, 0.0000



4.6275, 11.6972, 41.8716



10.6687, 11.6972, 74.0574

Sweetspot

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



21.8905, 11.6979, 1.7203



63.4518, 56.5052, 51.0450



30.8100, 15.1786, 48.9578



13.3899, 11.6143, 10.1233



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.



21.8905, 11.6979, 1.7203



38.5285, 19.9322, 1.8166



26.9517, 21.8202, 3.4073



9.5432, 9.5625, 9.9194



14.1504, 7.3395, 0.6709



0.5589, 0.2968, 0.0278

Inverse Universe

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



27.6509, 39.8568, 55.5256



48.8945, 70.8409, 99.3758



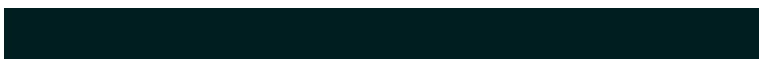
14.4369, 13.4289, 51.1209



9.7938, 10.7800, 12.2368



17.9552, 26.0222, 36.4694



0.7079, 1.0285, 1.4301

Previews

White Background



This preview shows how the XYZ color 21.8903, 11.6972, 1.7201 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 21.8903, 11.6972, 1.7201

Background



This preview shows how black text looks on a background with the XYZ color 21.8903, 11.6972, 1.7201.



This preview shows how white text looks on a background with the XYZ color 21.8903, 11.6972,

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

21.8903, 11.6972, 1.7201

Protanopia

10.9777, 12.1079, 3.3486

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.8739, 11.6907, 1.6340

Trichromacy



Original Color

21.8903, 11.6972, 1.7201

Protanomaly

13.0594, 9.9580, 2.3962

Deuteranomaly

14.2582, 10.3255, 1.4426

Tritanomaly

21.8819, 11.6939, 1.6761

Monochromacy



Original Color

21.8903, 11.6972, 1.7201

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.0320, 6.5402, 4.1545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8903, 11.6972, 1.7201 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, 22, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 22, 19)  
}
```

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, 22, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 22, 19) }
```

Border

The CSS property to change the border of an element to XYZ 21.8903, 11.6972, 1.7201 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, 22, 19) }
```


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

```
.border{ border-color:rgb(191, 22, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 22, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 22, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 22, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 22,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8903, 11.6972, 1.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 22, 19) }
```

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

```
.background{ background-color: rgb(191, 22,  
19) }
```

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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