

Converting Colors

XYZ(23.0442, 12.1911, 1.7170)

Have a look what the booklet for
XYZ(23.0442, 12.1911, 1.7170)
contains.

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Color

**XYZ(23.0904, 12.2120,
1.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	C41212
RGB	196, 18, 18
RGB Percent	77%, 7%, 7%
CMY	0.2314, 0.9293, 0.9294
CMYK	0.00, 0.91, 0.91, 0.23
HSL	0°, 83%, 42%
HSV	0°, 91%, 77%
XYZ	23.0904, 12.2120, 1.7124
YIQ	71.2220, 106.0880, 37.7360

Conversions

Conversions Part 2

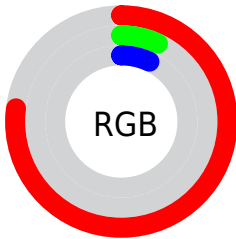
Format	Color
RYB	196, 18, 18
Decimal	12849682
CIELab	41.55, 63.92, 49.12
CIElCh	42, 80.612, 37.539
Yxy	12.2120, 0.6238, 0.3299
Android (android.graphics.Color)	4291039762 (0xFFC41212)
YUV	71.2220, -26.2384, 109.4303
Hunter-Lab	34.9457, 56.7892, 21.5567

Details

The XYZ color **23.0904, 12.2120, 1.7124** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **29.9472, 43.5821, 59.0579**, and the grayscale version is **6.0595, 6.3751, 6.9424**.

A 20% lighter version of the original color is **45.7665, 28.7864, 8.1452**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **22.7651, 11.7363, 1.0655**, and if you desaturate by 10%, it is **23.7893, 13.2353, 3.1009**.

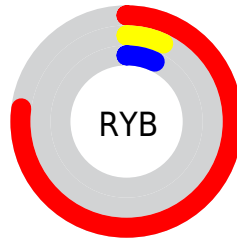
Distribution



Red (77%)

Green (7%)

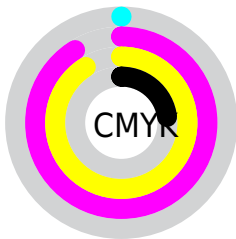
Blue (7%)



Red (77%)

Yellow (7%)

Blue (7%)

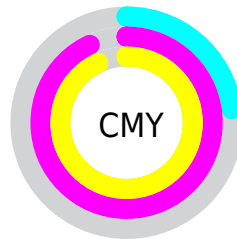


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (23%)



Cyan (23%)

Magenta (93%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0904, 12.2120, 1.7124 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 23.0904, 12.2120, 1.7124 by changing the saturation by 10% instead.

■ 23.0904, 12.2120,
1.7124

■ 23.0904, 12.2120,
1.7124

260.7156,
205.8038, 117.7378

■ 14.7813, 6.8882,
0.3692

■ 48.0073, 29.8806,
8.2385

■ 8.7514, 3.3923,
0.0000

■ 65.3458, 42.9943,
14.3725

■ 4.6352, 1.3398,
0.0000

■ 86.4249, 59.4734,
22.9785

■ 2.0674, 0.1717,
0.0000

■ 111.6098, 79.7022,
34.4751


■ 0.6714, 0.0000,
0.0000


■ 141.2660,
104.0653, 49.2808


■ 0.0000, 0.0000,
0.0000


■ 175.7588,


132.9470, 67.8141


 215.4536,
166.7317, 90.4936


 23.0904, 12.2120,
1.7124


 23.0904, 12.2120,
1.7124


 22.7651, 11.7363,
1.0655

 23.7893, 13.2353,
3.1009

 24.9823, 14.9811,
5.4720

 26.7383, 17.5508,
8.9626

 29.1153, 21.0291,
13.6876

 32.1638, 25.4900,
19.7478

■ 35.9294, 31.0001,
27.2336

■ 40.4535, 37.6201,
36.2276

■ 45.7745, 45.4061,
46.8060

■ 51.9282, 54.4105,
59.0399

Harmonies

Analogous

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



26.8270, 12.2120, 9.4819



23.0904, 12.2120, 1.7124



16.4893, 12.2120, 0.0000

Triad

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



23.0904, 12.2120, 1.7124



3.9759, 12.2120, 4.3609



13.1560, 12.2120, 78.2453

Complementary

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



23.0904, 12.2120, 1.7124



29.9472, 43.5821, 59.0579

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.



7.7985, 12.2120, 71.3582



23.0904, 12.2120, 1.7124



3.6151, 12.2120, 18.0182

Square

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



23.0904, 12.2120, 1.7124



5.9875, 12.2120, 0.5397



4.7479, 12.2120, 44.4299



19.9571, 12.2120, 59.1021

Rectangle

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



23.0904, 12.2120, 1.7124



12.0998, 12.2120, 0.0000



4.7479, 12.2120, 44.4299



11.1281, 12.2120, 79.0639

Sweetspot

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



23.0907, 12.2128, 1.7126



67.7115, 59.9967, 54.5498



32.9448, 16.1538, 53.6057



13.9195, 12.0026, 10.5358



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.0907, 12.2128, 1.7126



41.2404, 21.2608, 1.9301



28.1316, 22.2947, 3.3929



10.0733, 10.0781, 10.4762



14.6277, 7.5413, 0.6846



0.6321, 0.3259, 0.0296

Inverse Universe

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



29.9472, 43.5821, 59.0579



53.7984, 78.7168, 106.9661



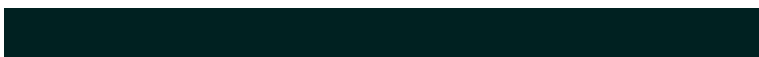
15.4708, 14.6294, 54.2325



10.3685, 11.4282, 12.9442



19.0820, 27.9205, 37.9401



0.8245, 1.2064, 1.6393

Previews

White Background



This preview shows how the XYZ color 23.0904, 12.2120, 1.7124 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 23.0904, 12.2120, 1.7124

Background



This preview shows how black text looks on a background with the XYZ color 23.0904, 12.2120, 1.7124.



This preview shows how white text looks on a background with the XYZ color 23.0904, 12.2120,

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

23.0904, 12.2120, 1.7124

Protanopia

11.4161, 12.6152, 3.4234

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

23.0526, 12.2234, 1.4315

Trichromacy



Original Color

23.0904, 12.2120, 1.7124

Protanomaly

13.5673, 10.2198, 2.4199

Deuteranomaly

14.8080, 10.6090, 1.4683

Tritanomaly

23.0705, 12.2306, 1.5256

Monochromacy



Original Color

23.0904, 12.2120, 1.7124

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.0503, 6.4169, 4.0104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0904, 12.2120, 1.7124 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(196, 18, 18)` looks like.

```
.text, #text, p{  
    color:rgb(196, 18, 18)  
}
```

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(196, 18, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 18, 18) }
```

Border

The CSS property to change the border of an element to XYZ 23.0904, 12.2120, 1.7124 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(196, 18, 18) }
```


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

```
.border{ border-color:rgb(196, 18, 18) }
```

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

Here you see how a box with a 4 pixel rgb(196, 18, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 18, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 18, 18);  
box-shadow:4px 4px 4px 4px rgb(196, 18,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0904, 12.2120, 1.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 18, 18) }
```

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

```
.background{ background-color: rgb(196, 18,  
18) }
```

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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