

Converting Colors

XYZ(23.7910, 12.6572, 1.1891)

Have a look what the booklet for
XYZ(23.7910, 12.6572, 1.1891)
contains.

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Color

**XYZ(23.8214, 12.6784,
1.1917)**

Conversions

Conversions Part 1

Format	Color
Hex	C71500
RGB	199, 21, 0
RGB Percent	78%, 8%, 0%
CMY	0.2196, 0.9176, 1.0000
CMYK	0.00, 0.89, 1.00, 0.22
HSL	6°, 100%, 39%
HSV	6°, 100%, 78%
XYZ	23.8214, 12.6784, 1.1917
YIQ	71.8280, 112.8290, 31.2050

Conversions

Conversions Part 2

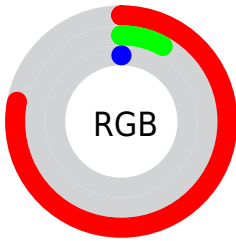
Format	Color
R_{YB}	199, 23, 0
Decimal	13047040
CIE _{Lab}	42.27, 64.06, 56.07
CIE _{LCh}	42, 85.131, 41.194
Yxy	12.6784, 0.6320, 0.3364
Android (android.graphics.Color)	4291237120 (0xFFC71500)
YUV	71.8280, -35.4112, 111.5298
Hunter-Lab	35.6067, 57.1072, 22.9404

Details

The XYZ color **23.8214, 12.6784, 1.1917** 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 **26.2252, 35.9564, 59.5906**, and the grayscale version is **6.1773, 6.4990, 7.0774**.

A 20% lighter version of the original color is **45.5388, 28.8294, 6.5326**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.8216, 12.6791, 1.1918**, and if you desaturate by 10%, it is **24.3981, 13.6315, 2.0025**.

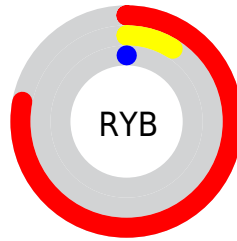
Distribution



Red (78%)

Green (8%)

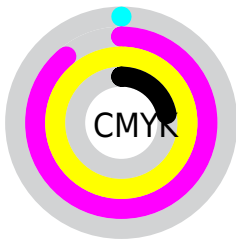
Blue (0%)



Red (78%)

Yellow (9%)

Blue (0%)

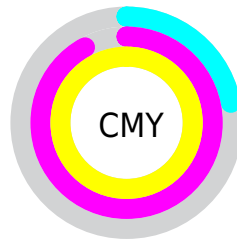


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (92%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8214, 12.6784, 1.1917 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 23.8214, 12.6784, 1.1917 by changing the saturation by 10% instead.


 23.8214, 12.6784,
1.1917


 23.8214, 12.6784,
1.1917


 264.3736,
208.8462, 108.1943


 15.3252, 7.2075,
0.0000


 49.1954, 30.7248,
6.6819


 9.1357, 3.5922,
0.0000


 66.8039, 44.0690,
12.0903

 4.8876, 1.4482,
0.0000

 88.1806, 60.8065,
19.8322

 2.2156, 0.2518,
0.0000

 113.6907, 81.3216,
30.3263


 0.7509, 0.0000,
0.0000


 143.6998,
105.9988, 43.9909


 0.0000, 0.0000,
0.0000


 178.5730,


135.2223, 61.2448


 218.6758,
169.3766, 82.5065


 23.8214, 12.6784,
1.1917


 23.8214, 12.6784,
1.1917


 23.8216, 12.6791,
1.1918

 24.3981, 13.6315,
2.0025

 25.3771, 15.1826,
3.5829

 26.8375, 17.4185,
6.1815

 28.8321, 20.4068,
9.9320

 31.4066, 24.2070,
14.9479

■ 34.6015, 28.8725,
21.3290

■ 38.4540, 34.4521,
29.1653

■ 42.9981, 40.9911,
38.5389

■ 48.2655, 48.5317,
49.5258

Harmonies

Analogous

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



28.5087, 12.6784, 8.0516



23.8214, 12.6784, 1.1917



16.4474, 12.6784, 0.0000

Triad

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



23.8214, 12.6784, 1.1917



3.7752, 12.6784, 5.3012



14.5890, 12.6784, 84.7654

Complementary

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



23.8214, 12.6784, 1.1917



26.2252, 35.9564, 59.5906

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.



8.5165, 12.6784, 80.7865



23.8214, 12.6784, 1.1917



3.5843, 12.6784, 21.7987

Square

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



23.8214, 12.6784, 1.1917



5.6481, 12.6784, 0.6172



4.9821, 12.6784, 52.2110



22.0553, 12.6784, 60.6223

Rectangle

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



23.8214, 12.6784, 1.1917



11.7969, 12.6784, 0.0000



4.9821, 12.6784, 52.2110



12.3076, 12.6784, 86.9977

Sweetspot

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



23.8217, 12.6792, 1.1919



67.0076, 59.8574, 50.4051



31.6999, 15.4008, 44.0027



13.6986, 11.8810, 9.4743



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.



23.8217, 12.6792, 1.1919



41.6304, 22.0409, 2.0601



30.1977, 25.4313, 3.3172



10.7225, 10.8142, 11.0850



15.3494, 8.2160, 0.7768



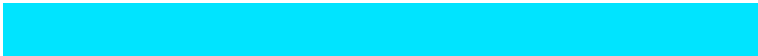
0.7581, 0.4516, 0.0472

Inverse Universe

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



26.2252, 35.9564, 59.5906



45.8113, 62.7427, 104.3038



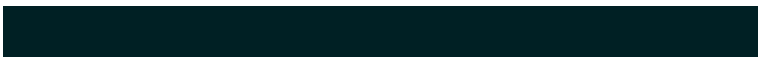
13.1484, 9.8027, 55.2317



10.8473, 11.8687, 13.6367



16.9018, 23.1975, 38.3311



0.8285, 1.1548, 1.8244

Previews

White Background



This preview shows how the XYZ color 23.8214, 12.6784, 1.1917 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 23.8214, 12.6784, 1.1917

Background



This preview shows how black text looks on a background with the XYZ color 23.8214, 12.6784, 1.1917.



This preview shows how white text looks on a background with the XYZ color 23.8214, 12.6784,

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

23.8214, 12.6784, 1.1917

Protanopia

11.8663, 13.1503, 2.8326

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

23.8940, 12.7075, 1.5742

Trichromacy



Original Color

23.8214, 12.6784, 1.1917

Protanomaly

14.1531, 10.8222, 1.8332

Deuteranomaly

15.4545, 11.1263, 1.3330

Tritanomaly

23.8652, 12.6960, 1.4225

Monochromacy



Original Color

23.8214, 12.6784, 1.1917

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.2375, 6.5950, 3.3709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8214, 12.6784, 1.1917 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(199, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 21, 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(199, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.8214, 12.6784, 1.1917 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(199, 21, 0) }
```


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

```
.border{ border-color:rgb(199, 21, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8214, 12.6784, 1.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 21, 0) }
```

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

```
.background{ background-color: rgb(199, 21,  
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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