

Converting Colors

XYZ(23.0231, 12.1829, 0.5650)

Have a look what the booklet for
XYZ(23.0231, 12.1829, 0.5650)
contains.

XYZ(23.2264, 12.2712, 1.1444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.2264, 12.2712,
1.1444)**

Conversions

Conversions Part 1

Format	Color
Hex	C51100
RGB	197, 17, 0
RGB Percent	77%, 7%, 0%
CMY	0.2275, 0.9332, 1.0000
CMYK	0.00, 0.91, 1.00, 0.23
HSL	5°, 100%, 39%
HSV	5°, 100%, 77%
XYZ	23.2264, 12.2712, 1.1444
YIQ	68.8820, 112.7370, 32.8730

Conversions

Conversions Part 2

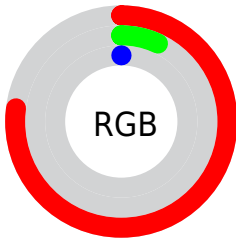
Format	Color
RYB	197, 19, 0
Decimal	12914944
CIELab	41.64, 64.13, 55.58
CIELCh	42, 84.862, 40.912
Yxy	12.2712, 0.6339, 0.3349
Android (android.graphics.Color)	4291105024 (0xFFC51100)
YUV	68.8820, -33.9588, 112.3595
Hunter-Lab	35.0303, 57.0493, 22.5843

Details

The XYZ color **23.2264, 12.2712, 1.1444** 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 **26.3936, 36.6624, 58.5084**, and the grayscale version is **5.6805, 5.9763, 6.5082**.

A 20% lighter version of the original color is **45.3496, 28.4874, 6.3572**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.2266, 12.2720, 1.1445**, and if you desaturate by 10%, it is **23.7512, 13.1232, 1.9291**.

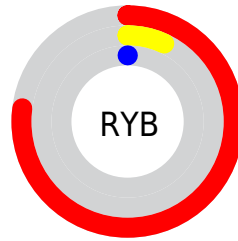
Distribution



Red (77%)

Green (7%)

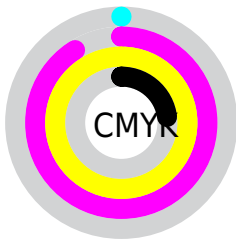
Blue (0%)



Red (77%)

Yellow (7%)

Blue (0%)

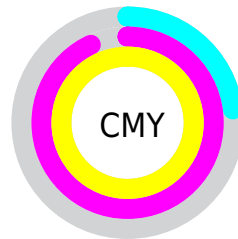


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2264, 12.2712, 1.1444 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 23.2264, 12.2712, 1.1444 by changing the saturation by 10% instead.


 23.2264, 12.2712,
1.1444


 23.2264, 12.2712,
1.1444


 261.3994,
206.1925, 107.2288


 14.8824, 6.9287,
0.0000


 48.2287, 29.9881,
6.5317


 8.8227, 3.4175,
0.0000


 65.6178, 43.1312,
11.8670


 4.6819, 1.3534,
0.0000

 86.7525, 59.6433,
19.5214

 2.0947, 0.1820,
0.0000

 111.9983, 79.9088,
29.9134


 0.6863, 0.0000,
0.0000


 141.7206,
104.3121, 43.4616


 0.0000, 0.0000,
0.0000


 176.2846,


133.2376, 60.5845


 216.0557,
167.0696, 81.7008


 23.2264, 12.2712,
1.1444


 23.2264, 12.2712,
1.1444


 23.2266, 12.2720,
1.1445

 23.7512, 13.1232,
1.9291

 24.6728, 14.5676,
3.4659

 26.0723, 16.6960,
5.9998

 28.0036, 19.5794,
9.6623

 30.5132, 23.2798,
14.5647

■ 33.6427, 27.8530,
20.8050

■ 37.4297, 33.3497,
28.4712

■ 41.9088, 39.8167,
37.6441

■ 47.1121, 47.2978,
48.3982

Harmonies

Analogous

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



27.7735, 12.2712, 7.8729



23.2264, 12.2712, 1.1444



16.0242, 12.2712, 0.0000

Triad

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



23.2264, 12.2712, 1.1444



3.6228, 12.2712, 5.0031



14.0752, 12.2712, 83.0204

Complementary

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



23.2264, 12.2712, 1.1444



26.3936, 36.6624, 58.5084

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.



8.1756, 12.2712, 78.8247



23.2264, 12.2712, 1.1444



3.4242, 12.2712, 20.9442

Square

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



23.2264, 12.2712, 1.1444



5.4569, 12.2712, 0.5361



4.7626, 12.2712, 50.6467



21.3712, 12.2712, 59.5064

Rectangle

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



23.2264, 12.2712, 1.1444



11.4742, 12.2712, 0.0000



4.7626, 12.2712, 50.6467



11.8547, 12.2712, 85.1147

Sweetspot

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



23.2267, 12.2720, 1.1446



66.6986, 59.2394, 50.3021



31.3235, 15.1893, 44.7728



13.6282, 11.7403, 9.4509



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.



23.2267, 12.2720, 1.1446



41.5277, 21.8354, 2.0259



29.1470, 24.1126, 3.1180



10.7063, 10.7818, 11.0796



15.3037, 8.1246, 0.7616



0.7506, 0.4367, 0.0447

Inverse Universe

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



26.3936, 36.6624, 58.5084



47.1774, 65.4748, 104.7591



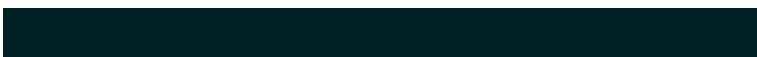
13.1016, 10.0784, 54.0777



10.8653, 11.9047, 13.6427



17.3911, 24.1762, 38.4942



0.8471, 1.1920, 1.8306

Previews

White Background



This preview shows how the XYZ color 23.2264, 12.2712, 1.1444 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

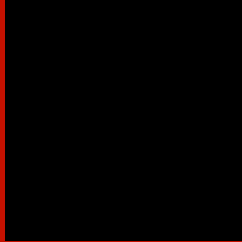
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2264, 12.2712, 1.1444

Background



This preview shows how black text looks on a background with the XYZ color 23.2264, 12.2712, 1.1444.



This preview shows how white text looks on a background with the XYZ color 23.2264, 12.2712,

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

23.2264, 12.2712, 1.1444

Protanopia

11.4147, 12.6293, 2.7558

Deuteranopia

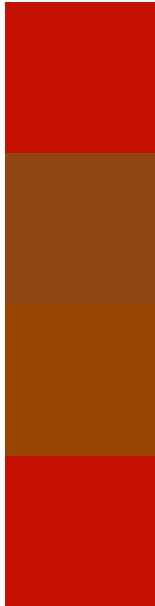
12.6964, 12.6200, 1.7667



Tritanopia

23.2264, 12.2712, 1.1444

Trichromacy



Original Color

23.2264, 12.2712, 1.1444

Protanomaly

13.6114, 10.2574, 1.7527

Deuteranomaly

14.9560, 10.6897, 1.2750

Tritanomaly

23.2264, 12.2712, 1.1444

Monochromacy



Original Color

23.2264, 12.2712, 1.1444

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

8.7977, 6.1761, 3.1113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2264, 12.2712, 1.1444 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(197, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 17, 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(197, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 17, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2264, 12.2712, 1.1444 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(197, 17, 0) }
```


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

```
.border{ border-color:rgb(197, 17, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 17, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 17, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2264, 12.2712, 1.1444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 17, 0) }
```

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

```
.background{ background-color: rgb(197, 17,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor