

Converting Colors

XYZ(23.4701, 12.7588, 1.2257)

Have a look what the booklet for
XYZ(23.4701, 12.7588, 1.2257)
contains.

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Color

**XYZ(23.4653, 12.7490,
1.2241)**

Conversions

Conversions Part 1

Format	Color
Hex	C51D00
RGB	197, 29, 0
RGB Percent	77%, 11%, 0%
CMY	0.2275, 0.8862, 1.0000
CMYK	0.00, 0.85, 1.00, 0.23
HSL	9°, 100%, 39%
HSV	9°, 100%, 77%
XYZ	23.4653, 12.7490, 1.2241
YIQ	75.9260, 109.4370, 26.5970

Conversions

Conversions Part 2

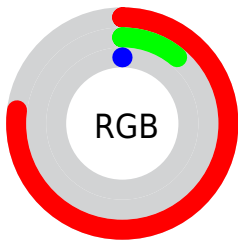
Format	Color
R_{YB}	197, 34, 0
Decimal	12918016
CIE Lab	42.38, 62.02, 55.86
CIE LCh	42, 83.462, 42.008
Yxy	12.7490, 0.6268, 0.3405
Android (android.graphics.Color)	4291108096 (0xFFC51D00)
YUV	75.9260, -37.4315, 106.1819
Hunter-Lab	35.7057, 54.8226, 22.9614

Details

The XYZ color **23.4653, 12.7490, 1.2241** 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 **24.0778, 32.0309, 57.7364**, and the grayscale version is **6.9099, 7.2697, 7.9167**.

A 20% lighter version of the original color is **45.7970, 29.3457, 6.6187**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.4655, 12.7497, 1.2242**, and if you desaturate by 10%, it is **24.1192, 13.8593, 2.0519**.

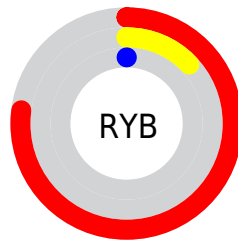
Distribution



Red (77%)

Green (11%)

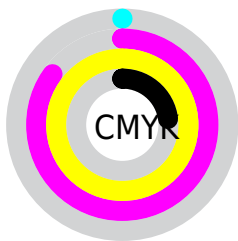
Blue (0%)



Red (77%)

Yellow (13%)

Blue (0%)

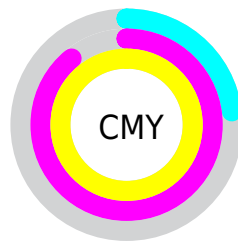


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4653, 12.7490, 1.2241 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 23.4653, 12.7490, 1.2241 by changing the saturation by 10% instead.


 23.4653, 12.7490,
1.2241


 23.4653, 12.7490,
1.2241


 262.5969,
209.3027, 108.8443


 15.0600, 7.2559,
0.0000


 48.6173, 30.8521,
6.7838


 8.9481, 3.6227,
0.0000


 66.0947, 44.2309,
12.2414

 4.7642, 1.4648,
0.0000

 87.3269, 61.0072,
20.0422

 2.1429, 0.2638,
0.0000

 112.6792, 81.5651,
30.6049


 0.7124, 0.0000,
0.0000


 142.5170,
106.2893, 44.3479


 0.0000, 0.0000,
0.0000


 177.2057,


135.5640, 61.6898


 217.1105,
169.7737, 83.0491


 23.4653, 12.7490,
1.2241


 23.4653, 12.7490,
1.2241


 23.4655, 12.7497,
1.2242

 24.1192, 13.8593,
2.0519

 25.1549, 15.5318,
3.6268

 26.6437, 17.8388,
6.1906

 28.6320, 20.8362,
9.8723

 31.1604, 24.5740,
14.7810

■ 34.2650, 29.0973,
21.0131

■ 37.9788, 34.4477,
28.6552

■ 42.3324, 40.6636,
37.7864

■ 47.3541, 47.7813,
48.4801

Harmonies

Analogous

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



28.1496, 12.7490, 7.8655



23.4653, 12.7490, 1.2241



16.2361, 12.7490, 0.0000

Triad

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



23.4653, 12.7490, 1.2241



3.8873, 12.7490, 5.7144



14.8031, 12.7490, 82.4504

Complementary

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



23.4653, 12.7490, 1.2241



24.0778, 32.0309, 57.7364

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.



8.7620, 12.7490, 79.4287



23.4653, 12.7490, 1.2241



3.7366, 12.7490, 22.3761

Square

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



23.4653, 12.7490, 1.2241



5.7072, 12.7490, 0.7731



5.1853, 12.7490, 52.1845



22.1098, 12.7490, 58.5917

Rectangle

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



23.4653, 12.7490, 1.2241



11.6999, 12.7490, 0.0000



5.1853, 12.7490, 52.1845



12.5450, 12.7490, 84.8825

Sweetspot

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



23.4656, 12.7498, 1.2243



67.6893, 61.2206, 50.6323



30.3511, 14.8004, 39.6519



13.8542, 12.1924, 9.5262



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.



23.4656, 12.7498, 1.2243



41.9190, 22.6181, 2.1563



30.3300, 26.4786, 3.5124



10.7579, 10.8848, 11.0967



15.4726, 8.4624, 0.8179



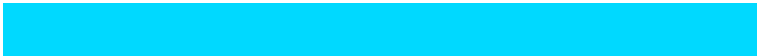
0.7742, 0.4838, 0.0526

Inverse Universe

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



24.0778, 32.0309, 57.7364



42.9771, 57.0742, 103.3590



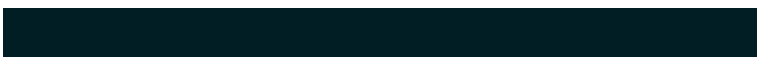
12.4106, 8.6964, 53.8473



10.8085, 11.7910, 13.6237



15.8851, 21.1641, 37.9922



0.7894, 1.0766, 1.8113

Previews

White Background



This preview shows how the XYZ color 23.4653, 12.7490, 1.2241 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



This preview shows how the XYZ color 23.4653, 12.7490, 1.2241 looks on a 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 23.4653, 12.7490, 1.2241

Background



This preview shows how black text looks on a background with the XYZ color 23.4653, 12.7490, 1.2241.



This preview shows how white text looks on a background with the XYZ color 23.4653, 12.7490,

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

23.4653, 12.7490, 1.2241

Protanopia

11.8557, 13.1461, 2.7767

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

23.6061, 12.7668, 2.0842

Trichromacy



Original Color

23.4653, 12.7490, 1.2241

Protanomaly

14.1039, 10.9959, 1.8310

Deuteranomaly

15.4542, 11.4070, 1.3873

Tritanomaly

23.5274, 12.7353, 1.6701

Monochromacy



Original Color

23.4653, 12.7490, 1.2241

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.8432, 7.3344, 3.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4653, 12.7490, 1.2241 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, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 29, 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, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4653, 12.7490, 1.2241 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, 29, 0) }
```


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

```
.border{ border-color:rgb(197, 29, 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, 29, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 29, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4653, 12.7490, 1.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 29, 0) }
```

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

```
.background{ background-color: rgb(197, 29,  
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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