

Converting Colors

XYZ(24.3551, 12.7730, 1.1818)

Have a look what the booklet for
XYZ(24.3551, 12.7730, 1.1818)
contains.

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Color

**XYZ(24.2313, 12.7054,
1.1752)**

Conversions

Conversions Part 1

Format	Color
Hex	C90D00
RGB	201, 13, 0
RGB Percent	79%, 5%, 0%
CMY	0.2118, 0.9489, 1.0000
CMYK	0.00, 0.94, 1.00, 0.21
HSL	4°, 100%, 39%
HSV	4°, 100%, 79%
XYZ	24.2313, 12.7054, 1.1752
YIQ	67.7300, 116.2210, 35.8130

Conversions

Conversions Part 2

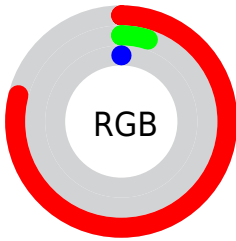
Format	Color
RYB	201, 14, 0
Decimal	13176064
CIELab	42.32, 65.68, 56.35
CIELCh	42, 86.537, 40.626
Yxy	12.7054, 0.6358, 0.3334
Android (android.graphics.Color)	4291366144 (0xFFC90D00)
YUV	67.7300, -33.3909, 116.8778
Hunter-Lab	35.6446, 58.9666, 22.9965

Details

The XYZ color **24.2313, 12.7054, 1.1752** 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 **28.5173, 40.1666, 61.5077**, and the grayscale version is **5.4932, 5.7793, 6.2936**.

A 20% lighter version of the original color is **45.3723, 28.4965, 6.4771**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.2316, 12.7062, 1.1754**, and if you desaturate by 10%, it is **24.7264, 13.4924, 1.9676**.

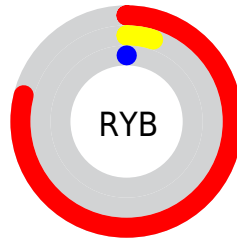
Distribution



Red (79%)

Green (5%)

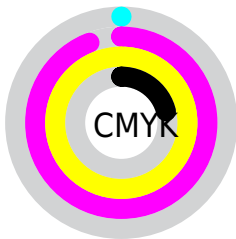
Blue (0%)



Red (79%)

Yellow (5%)

Blue (0%)

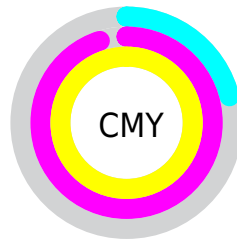


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2313, 12.7054, 1.1752 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 24.2313, 12.7054, 1.1752 by changing the saturation by 10% instead.


 24.2313, 12.7054,
1.1752


 24.2313, 12.7054,
1.1752


 266.4066,
209.0209, 107.8598


 15.6310, 7.2260,
0.0000


 49.8593, 30.7735,
6.6297


 9.3526, 3.6038,
0.0000


 67.6177, 44.1310,
12.0127

 5.0308, 1.4545,
0.0000

 89.1595, 60.8833,
19.7243

 2.3003, 0.2564,
0.0000

 114.8500, 81.4148,
30.1831

 0.7948, 0.0000,
0.0000


 145.0546,
106.1099, 43.8074


 0.0000, 0.0000,
0.0000


 180.1387,


135.3531, 61.0160


 220.4676,
169.5286, 82.2273


 24.2313, 12.7054,
1.1752


 24.2313, 12.7054,
1.1752


 24.2316, 12.7062,
1.1754

 24.7264, 13.4924,
1.9676

 25.6413, 14.9075,
3.5513

 27.0652, 17.0557,
6.1822

 29.0580, 20.0186,
9.9995

 31.6713, 23.8665,
15.1212

■ 34.9510, 28.6625,
21.6509

■ 38.9386, 34.4636,
29.6820

■ 43.6721, 41.3227,
39.2998

■ 49.1869, 49.2886,
50.5831

Harmonies

Analogous

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



28.9504, 12.7054, 8.2375



24.2313, 12.7054, 1.1752



16.7042, 12.7054, 0.0000

Triad

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



24.2313, 12.7054, 1.1752



3.7177, 12.7054, 5.0457



14.5250, 12.7054, 87.0138

Complementary

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



24.2313, 12.7054, 1.1752



28.5173, 40.1666, 61.5077

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.



8.3931, 12.7054, 82.2965



24.2313, 12.7054, 1.1752



3.4976, 12.7054, 21.5212

Square

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



24.2313, 12.7054, 1.1752



5.6395, 12.7054, 0.5089



4.8679, 12.7054, 52.5604



22.1535, 12.7054, 62.5107

Rectangle

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



24.2313, 12.7054, 1.1752



11.9404, 12.7054, 0.0000



4.8679, 12.7054, 52.5604



12.2128, 12.7054, 89.1103

Sweetspot

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



24.2316, 12.7062, 1.1754



66.3552, 58.5526, 50.1876



33.4855, 16.1767, 50.6184



13.5502, 11.5843, 9.4249



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.



24.2316, 12.7062, 1.1754



41.4334, 21.6468, 1.9945



29.7226, 23.6882, 3.0057



10.6882, 10.7455, 11.0735



15.2602, 8.0376, 0.7471



0.7423, 0.4200, 0.0419

Inverse Universe

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



28.5173, 40.1666, 61.5077



48.7582, 68.6363, 105.2861



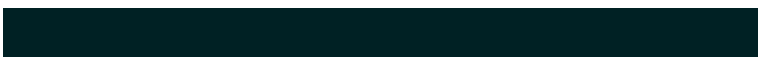
14.2367, 11.6054, 56.7475



10.8855, 11.9452, 13.6494



17.9568, 25.3076, 38.6828



0.8685, 1.2347, 1.8377

Previews

White Background



This preview shows how the XYZ color 24.2313, 12.7054, 1.1752 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 24.2313, 12.7054, 1.1752

Background



This preview shows how black text looks on a background with the XYZ color 24.2313, 12.7054, 1.1752.



This preview shows how white text looks on a background with the XYZ color 24.2313, 12.7054,

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

24.2313, 12.7054, 1.1752

Protanopia

11.8773, 13.1547, 2.8904

Deuteranopia

13.1768, 13.1386, 1.8415



Tritanopia

24.0357, 12.7120, 1.1868

Trichromacy



Original Color

24.2313, 12.7054, 1.1752

Protanomaly

14.1454, 10.5318, 1.8176

Deuteranomaly

15.4658, 10.8650, 1.2820

Tritanomaly

24.0047, 12.6499, 1.1765

Monochromacy



Original Color

24.2313, 12.7054, 1.1752

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.6955, 6.0013, 2.9856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2313, 12.7054, 1.1752 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(201, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 13, 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(201, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2313, 12.7054, 1.1752 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(201, 13, 0) }
```


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

```
.border{ border-color:rgb(201, 13, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 13, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2313, 12.7054, 1.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 13, 0) }
```

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

```
.background{ background-color: rgb(201, 13,  
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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