

Converting Colors

XYZ(24.2616, 12.5012, 1.4121)

Have a look what the booklet for
XYZ(24.2616, 12.5012, 1.4121)
contains.

XYZ(24.1422, 12.4394, 1.4158)	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(24.1422, 12.4394,
1.4158)**

Conversions

Conversions Part 1

Format	Color
Hex	C9000A
RGB	201, 0, 10
RGB Percent	79%, 0%, 4%
CMY	0.2118, 0.9998, 0.9608
CMYK	0.00, 1.00, 0.95, 0.21
HSL	357°, 100%, 39%
HSV	357°, 100%, 79%
XYZ	24.1422, 12.4394, 1.4158
YIQ	61.2390, 116.5860, 45.7220

Conversions

Conversions Part 2

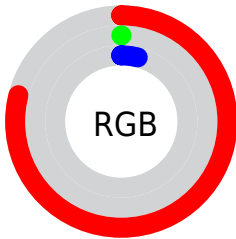
Format	Color
R_{YB}	201, 0, 10
Decimal	13172746
CIE _{Lab}	41.91, 67.06, 52.81
CIE _{LCh}	42, 85.354, 38.221
Yxy	12.4394, 0.6354, 0.3274
Android (android.graphics.Color)	4291362826 (0xFFC9000A)
YUV	61.2390, -25.2608, 122.5704
Hunter-Lab	35.2695, 60.4626, 22.3086

Details

The XYZ color **24.1422, 12.4394, 1.4158** 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 **30.2951, 45.5365, 56.5044**, and the grayscale version is **4.4958, 4.7300, 5.1509**.

A 20% lighter version of the original color is **45.1997, 27.9164, 7.1438**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.1418, 12.4393, 1.4147**, and if you desaturate by 10%, it is **24.5629, 13.0119, 2.3862**.

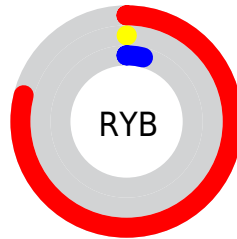
Distribution



Red (79%)

Green (0%)

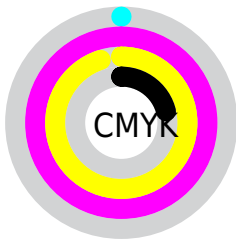
Blue (4%)



Red (79%)

Yellow (0%)

Blue (4%)

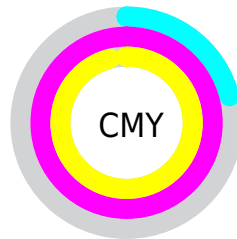


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1422, 12.4394, 1.4158 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 24.1422, 12.4394, 1.4158 by changing the saturation by 10% instead.


 24.1422, 12.4394,
1.4158


 24.1422, 12.4394,
1.4158


 265.9658,
207.2929, 112.5203


 15.5644, 7.0437,
0.1540


 49.7151, 30.2929,
7.3714


 9.3054, 3.4894,
0.0000


 67.4410, 43.5194,
13.1081


 4.9996, 1.3923,
0.0000

 88.9470, 60.1251,
21.2421

 2.2818, 0.2110,
0.0000

 114.5984, 80.4941,
32.1919

 0.7853, 0.0000,
0.0000


 144.7607,
105.0111, 46.3760


 0.0000, 0.0000,
0.0000


 179.7991,


134.0602, 64.2131


 220.0790,
168.0261, 86.1217


 24.1422, 12.4394,
1.4158


 24.1422, 12.4394,
1.4158


 24.1418, 12.4393,
1.4147

 24.5629, 13.0119,
2.3862

 25.3919, 14.1663,
4.2150

 26.7435, 16.0938,
7.0564

 28.6847, 18.8979,
11.0280

 31.2729, 22.6662,
16.2318

■ 34.5585, 27.4757,
22.7579

■ 38.5869, 33.3956,
30.6884

■ 43.3997, 40.4893,
40.0984

■ 49.0354, 48.8151,
51.0578

Harmonies

Analogous

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



28.3498, 12.4394, 9.1597



24.1422, 12.4394, 1.4158



16.9189, 12.4394, 0.0000

Triad

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



24.1422, 12.4394, 1.4158



3.7578, 12.4394, 4.3115



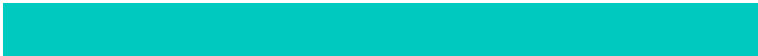
13.6438, 12.4394, 85.2224

Complementary

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



24.1422, 12.4394, 1.4158



30.2951, 45.5365, 56.5044

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.



7.8697, 12.4394, 78.1906



24.1422, 12.4394, 1.4158



3.4231, 12.4394, 19.1434

Square

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



24.1422, 12.4394, 1.4158



5.7946, 12.4394, 0.3632



4.6248, 12.4394, 48.4091



21.0275, 12.4394, 63.2706

Rectangle

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



24.1422, 12.4394, 1.4158



12.2039, 12.4394, 0.0000



4.6248, 12.4394, 48.4091



11.4506, 12.4394, 86.3871

Sweetspot

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



24.1425, 12.4402, 1.4160



65.7338, 56.6896, 51.8922



32.0166, 15.2879, 56.5214



13.4096, 11.1631, 9.8099



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.



24.1425, 12.4402, 1.4160



41.3104, 21.2881, 2.3005



27.7835, 19.8096, 2.3604



10.6548, 10.6453, 11.1656



15.1896, 7.8254, 0.9422



0.7268, 0.3736, 0.0846

Inverse Universe

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



24.1425, 12.4402, 1.4160



41.3104, 21.2881, 2.3005



16.1804, 15.4920, 57.3954



10.6548, 10.6453, 11.1656



15.1896, 7.8254, 0.9422



0.7268, 0.3736, 0.0846

Previews

White Background



This preview shows how the XYZ color 24.1422, 12.4394, 1.4158 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 24.1422, 12.4394, 1.4158

Background



This preview shows how black text looks on a background with the XYZ color 24.1422, 12.4394, 1.4158.



This preview shows how white text looks on a background with the XYZ color 24.1422, 12.4394,

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

24.1422, 12.4394, 1.4158

Protanopia

11.9126, 13.1689, 3.0764

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

23.7861, 12.6079, 1.1799

Trichromacy



Original Color

24.1422, 12.4394, 1.4158

Protanomaly

13.8892, 9.9495, 1.9475

Deuteranomaly

15.2082, 10.3148, 1.3043

Tritanomaly

23.9728, 12.5511, 1.2740

Monochromacy



Original Color

24.1422, 12.4394, 1.4158

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.8255, 5.0629, 2.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1422, 12.4394, 1.4158 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, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 10)  
}
```

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, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 24.1422, 12.4394, 1.4158 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, 0, 10) }
```


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

```
.border{ border-color:rgb(201, 0, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1422, 12.4394, 1.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 10) }
```

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

```
.background{ background-color: rgb(201, 0,  
10) }
```

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