

Converting Colors

XYZ(24.4199, 12.5645, 2.2459)

Have a look what the booklet for
XYZ(24.4199, 12.5645, 2.2459)
contains.

XYZ(24.2970, 12.5013, 2.2310)	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(24.2970, 12.5013,
2.2310)**

Conversions

Conversions Part 1

Format	Color
Hex	C9001C
RGB	201, 0, 28
RGB Percent	79%, 0%, 11%
CMY	0.2118, 0.9998, 0.8902
CMYK	0.00, 1.00, 0.86, 0.21
HSL	352°, 100%, 39%
HSV	352°, 100%, 79%
XYZ	24.2970, 12.5013, 2.2310
YIQ	63.2910, 110.8080, 51.3200

Conversions

Conversions Part 2

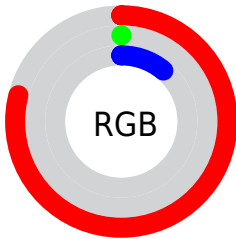
Format	Color
RYB	201, 0, 28
Decimal	13172764
CIELab	42.00, 67.32, 45.28
CIELCh	42, 81.128, 33.923
Yxy	12.5013, 0.6225, 0.3203
Android (android.graphics.Color)	4291362844 (0xFFC9001C)
YUV	63.2910, -17.3985, 120.7708
Hunter-Lab	35.3572, 60.7879, 21.0089

Details

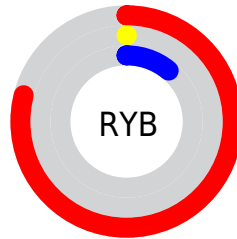
The XYZ color **24.2970, 12.5013, 2.2310** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **28.4334, 44.7919, 46.7012**, and the grayscale version is **4.7841, 5.0332, 5.4812**.

A 20% lighter version of the original color is **45.7245, 28.2514, 9.5217**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.2965, 12.5011, 2.2290**, and if you desaturate by 10%, it is **24.8194, 13.1144, 3.7366**.

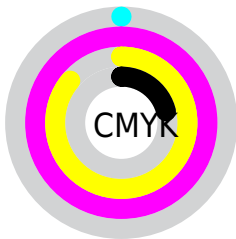
Distribution



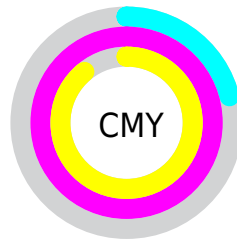
- Red (79%)
- Green (0%)
- Blue (11%)



- Red (79%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2970, 12.5013, 2.2310 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 24.2970, 12.5013, 2.2310 by changing the saturation by 10% instead.


 24.2970, 12.5013,
2.2310


 24.2970, 12.5013,
2.2310


266.7313,
207.6964, 125.8665


 15.6800, 7.0861,
0.6922


 49.9656, 30.4049,
9.6632


 9.3874, 3.5160,
0.0000


 67.7479, 43.6620,
16.4185


 5.0539, 1.4067,
0.0000

 89.3160, 60.3019,
25.7579

 2.3140, 0.2216,
0.0000

 115.0353, 80.7089,
38.1001


 0.8018, 0.0000,
0.0000


 145.2711,
105.2675, 53.8635


 0.0000, 0.0000,
0.0000


 180.3888,


134.3620, 73.4666


 220.7538,
168.3768, 97.3281


 24.2970, 12.5013,
2.2310


 24.2970, 12.5013,
2.2310


 24.2965, 12.5011,
2.2290

 24.8194, 13.1144,
3.7366

 25.7403, 14.3056,
6.0498

 27.1655, 16.2625,
9.2792

 29.1557, 19.0862,
13.5088

 31.7629, 22.8620,
18.8128

■ 35.0332, 27.6653,
25.2586

■ 39.0081, 33.5638,
32.9077

■ 43.7259, 40.6194,
41.8173

■ 49.2218, 48.8892,
52.0410

Harmonies

Analogous

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



27.5614, 12.5013, 11.4689



24.2970, 12.5013, 2.2310



17.7267, 12.5013, 0.0000

Triad

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



24.2970, 12.5013, 2.2310



4.2264, 12.5013, 3.6252



12.6911, 12.5013, 80.6274

Complementary

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



24.2970, 12.5013, 2.2310



28.4334, 44.7919, 46.7012

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.



7.4882, 12.5013, 70.3152



24.2970, 12.5013, 2.2310



3.6748, 12.5013, 16.0062

Square

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



24.2970, 12.5013, 2.2310



6.5252, 12.5013, 0.3564



4.6363, 12.5013, 41.7328



19.5771, 12.5013, 63.7579

Rectangle

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



24.2970, 12.5013, 2.2310



13.1493, 12.5013, 0.0000



4.6363, 12.5013, 41.7328



10.6991, 12.5013, 80.2725

Sweetspot

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



24.2973, 12.5021, 2.2312



66.4611, 56.9805, 55.7218



27.3060, 12.8595, 56.3010



13.5752, 11.2293, 10.6816



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.



24.2973, 12.5021, 2.2312



41.5506, 21.3842, 3.5654



26.3011, 16.8449, 1.8663



10.6930, 10.6606, 11.3665



15.2970, 7.8684, 1.5079



0.7443, 0.3806, 0.1769

Inverse Universe

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



24.2973, 12.5021, 2.2312



41.5506, 21.3842, 3.5654



18.6141, 20.3595, 58.2067



10.6930, 10.6606, 11.3665



15.2970, 7.8684, 1.5079



0.7443, 0.3806, 0.1769

Previews

White Background



This preview shows how the XYZ color 24.2970, 12.5013, 2.2310 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 24.2970, 12.5013, 2.2310

Background



This preview shows how black text looks on a background with the XYZ color 24.2970, 12.5013, 2.2310.



This preview shows how white text looks on a background with the XYZ color 24.2970, 12.5013,

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

24.2970, 12.5013, 2.2310

Protanopia

12.0745, 13.2187, 4.6044

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

24.0357, 12.7120, 1.1868

Trichromacy



Original Color

24.2970, 12.5013, 2.2310

Protanomaly

13.9504, 9.9535, 3.1934

Deuteranomaly

15.2411, 10.3280, 1.4774

Tritanomaly

23.9939, 12.5406, 1.4431

Monochromacy



Original Color

24.2970, 12.5013, 2.2310

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.1446, 5.2586, 3.6034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2970, 12.5013, 2.2310 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, 28)` looks like.

```
.text, #text, p{  
  color:rgb(201, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 24.2970, 12.5013, 2.2310 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, 28) }
```


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

```
.border{ border-color:rgb(201, 0, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2970, 12.5013, 2.2310 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, 28) }
```

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

```
.background{ background-color: rgb(201, 0,  
28) }
```

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