

Converting Colors

XYZ(24.9061, 12.8391, 1.1878)

Have a look what the booklet for
XYZ(24.9061, 12.8391, 1.1878)
contains.

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Color

**XYZ(24.9073, 12.8396,
1.1942)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0001
RGB	204, 0, 1
RGB Percent	80%, 0%, 0%
CMY	0.2000, 0.9998, 0.9961
CMYK	0.00, 1.00, 1.00, 0.20
HSL	360°, 100%, 40%
HSV	360°, 100%, 80%
XYZ	24.9073, 12.8396, 1.1942
YIQ	61.1100, 121.2630, 43.5590

Conversions

Conversions Part 2

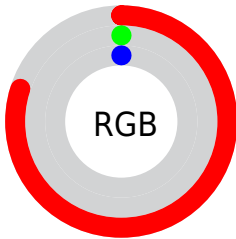
Format	Color
RYB	204, 0, 1
Decimal	13369345
CIELab	42.52, 67.72, 56.46
CIELCh	43, 88.169, 39.820
Yxy	12.8396, 0.6396, 0.3297
Android (android.graphics.Color)	4291559425 (0xFFCC0001)
YUV	61.1100, -29.6342, 125.3145
Hunter-Lab	35.8324, 61.3697, 23.1067

Details

The XYZ color **24.9073, 12.8396, 1.1942** 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 **32.3782, 47.4996, 63.9905**, and the grayscale version is **4.4835, 4.7169, 5.1368**.

A 20% lighter version of the original color is **45.1311, 28.0140, 6.3967**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9068, 12.8393, 1.1929**, and if you desaturate by 10%, it is **25.2979, 13.4087, 1.9791**.

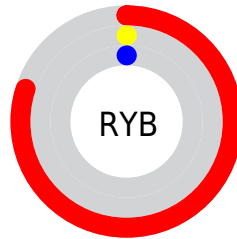
Distribution



Red (80%)

Green (0%)

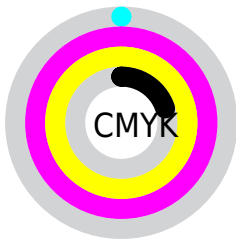
Blue (0%)



Red (80%)

Yellow (0%)

Blue (0%)

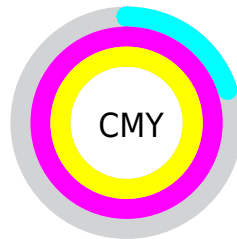


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9073, 12.8396, 1.1942 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 24.9073, 12.8396, 1.1942 by changing the saturation by 10% instead.


 24.9073, 12.8396,
1.1942


 24.9073, 12.8396,
1.1942


 269.7321,
209.8871, 108.2448


 16.1364, 7.3182,
0.0000


 50.9508, 31.0153,
6.6898


 9.7122, 3.6619,
0.0000


 68.9540, 44.4384,
12.1020

 5.2693, 1.4863,
0.0000

 90.7654, 61.2642,
19.8485

 2.4425, 0.2790,
0.0000

 116.7503, 81.8770,
30.3479


 0.8664, 0.0000,
0.0000


 147.2741,
106.6614, 44.0187


 0.0000, 0.0000,
0.0000


 182.7021,


136.0016, 61.2794


 223.3996,
170.2820, 82.5486

 24.9073, 12.8396,
1.1942


 24.9073, 12.8396,
1.1942

 24.9068, 12.8393,
1.1929

 25.2979, 13.4087,
1.9791

 26.1002, 14.5769,
3.5919

 27.4506, 16.5479,
6.2922

 29.4235, 19.4310,
10.2259

 32.0817, 23.3187,
15.5166

■ 35.4803, 28.2917,
22.2729

■ 39.6687, 34.4229,
30.5923

■ 44.6924, 41.7788,
40.5640

■ 50.5930, 50.4208,
52.2705

Harmonies

Analogous

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



29.6546, 12.8396, 8.6147



24.9073, 12.8396, 1.1942



17.1719, 12.8396, 0.0000

Triad

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



24.9073, 12.8396, 1.1942



3.7020, 12.8396, 4.7654



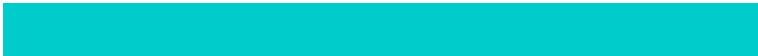
14.5189, 12.8396, 90.1115

Complementary

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



24.9073, 12.8396, 1.1942



32.3782, 47.4996, 63.9905

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.



8.3000, 12.8396, 84.3085



24.9073, 12.8396, 1.1942



3.4385, 12.8396, 21.2087

Square

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



24.9073, 12.8396, 1.1942



5.7062, 12.8396, 0.3910



4.7774, 12.8396, 53.0328



22.3697, 12.8396, 65.2484

Rectangle

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



24.9073, 12.8396, 1.1942



12.2439, 12.8396, 0.0000



4.7774, 12.8396, 53.0328



12.1635, 12.8396, 91.9835

Sweetspot

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



24.9076, 12.8404, 1.1944



65.3823, 56.5490, 50.0413



34.8794, 16.7227, 58.5156



13.3302, 11.1313, 9.3917



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.



24.9076, 12.8404, 1.1944



41.2465, 21.2626, 1.9644



29.3281, 21.6898, 2.6421



11.2144, 11.2145, 11.6639



15.6778, 8.0817, 0.7559



0.8096, 0.4172, 0.0430

Inverse Universe

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



24.9076, 12.8404, 1.1944



41.2465, 21.2626, 1.9644



15.9942, 14.5492, 59.0915



11.2144, 11.2145, 11.6639



15.6778, 8.0817, 0.7559



0.8096, 0.4172, 0.0430

Previews

White Background



This preview shows how the XYZ color 24.9073, 12.8396, 1.1942 looks on a white background.

Color Contrast Check

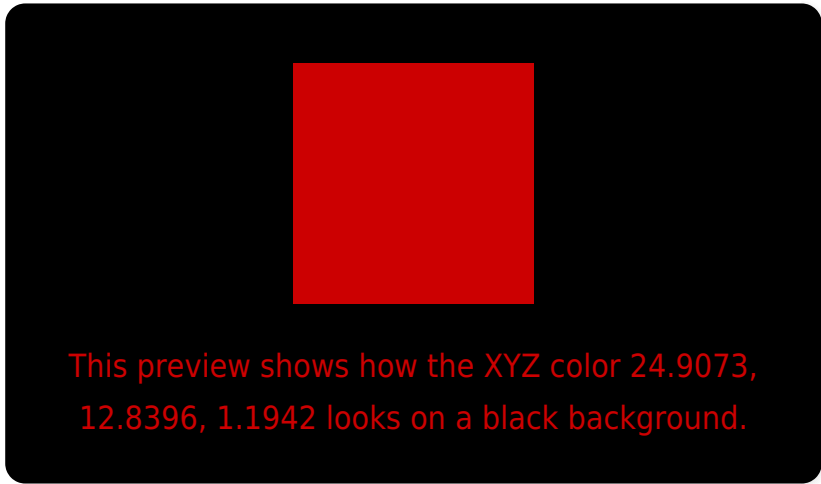
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9073, 12.8396, 1.1942

Background



This preview shows how black text looks on a background with the XYZ color 24.9073, 12.8396, 1.1942.



This preview shows how white text looks on a background with the XYZ color 24.9073, 12.8396,

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

24.9073, 12.8396, 1.1942

Protanopia

12.2392, 13.4881, 2.9357

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9073, 12.8396, 1.1942

Protanomaly

14.2621, 10.2328, 1.7537

Deuteranomaly

15.6273, 10.6133, 1.2249

Tritanomaly

24.7601, 12.9595, 1.1964

Monochromacy



Original Color

24.9073, 12.8396, 1.1942

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.9018, 5.1082, 2.4890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9073, 12.8396, 1.1942 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(204, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 1)  
}
```

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(204, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 24.9073, 12.8396, 1.1942 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(204, 0, 1) }
```


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

```
.border{ border-color:rgb(204, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 0, 1); box-shadow:4px  
4px 4px 4px rgb(204, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9073, 12.8396, 1.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 1) }
```

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

```
.background{ background-color: rgb(204, 0,  
1) }
```

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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