

Converting Colors

XYZ(24.9185, 12.8707, 1.1709)

Have a look what the booklet for
XYZ(24.9185, 12.8707, 1.1709)
contains.

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Color

**XYZ(24.9235, 12.8808,
1.1726)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0200
RGB	204, 2, 0
RGB Percent	80%, 1%, 0%
CMY	0.2000, 0.9920, 1.0000
CMYK	0.00, 0.99, 1.00, 0.20
HSL	1°, 100%, 40%
HSV	1°, 100%, 80%
XYZ	24.9235, 12.8808, 1.1726
YIQ	62.1700, 121.0340, 42.2020

Conversions

Conversions Part 2

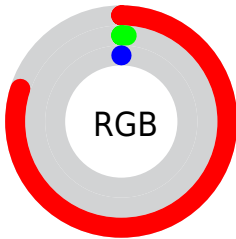
Format	Color
RYB	204, 2, 0
Decimal	13369856
CIELab	42.58, 67.52, 56.84
CIElCh	43, 88.258, 40.091
Yxy	12.8808, 0.6394, 0.3305
Android (android.graphics.Color)	4291559936 (0xFFCC0200)
YUV	62.1700, -30.6498, 124.3849
Hunter-Lab	35.8898, 61.1512, 23.1857

Details

The XYZ color **24.9235, 12.8808, 1.1726** 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 **32.0086, 46.5788, 64.4297**, and the grayscale version is **4.6377, 4.8792, 5.3135**.

A 20% lighter version of the original color is **45.1876, 28.1635, 6.3033**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9238, 12.8816, 1.1728**, and if you desaturate by 10%, it is **25.3230, 13.4722, 1.9464**.

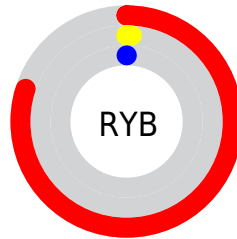
Distribution



Red (80%)

Green (1%)

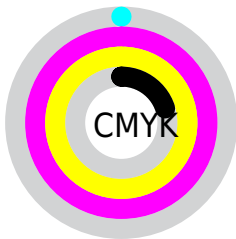
Blue (0%)



Red (80%)

Yellow (1%)

Blue (0%)

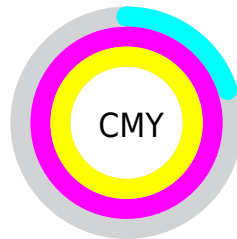


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9235, 12.8808, 1.1726 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 24.9235, 12.8808, 1.1726 by changing the saturation by 10% instead.


 24.9235, 12.8808,
1.1726


 24.9235, 12.8808,
1.1726


 269.8114,
210.1523, 107.8069


 16.1485, 7.3465,
0.0000


 50.9769, 31.0895,
6.6215

 9.7208, 3.6797,
0.0000


 68.9860, 44.5326,
12.0005

 5.2751, 1.4961,
0.0000

 90.8038, 61.3809,
19.7073

 2.4460, 0.2860,
0.0000

 116.7957, 82.0186,
30.1604

 0.8681, 0.0000,
0.0000


 147.3271,
106.8303, 43.7784


 0.0000, 0.0000,
0.0000


 182.7632,


136.2002, 60.9798


 223.4696,
170.5127, 82.1831


 24.9235, 12.8808,
1.1726


 24.9235, 12.8808,
1.1726


 24.9238, 12.8816,
1.1728

 25.3230, 13.4722,
1.9464

 26.1418, 14.6830,
3.5358

 27.5064, 16.6906,
6.2150

 29.4894, 19.6004,
10.1320

 32.1523, 23.5015,
15.4119

■ 35.5492, 28.4723,
22.1644

■ 39.7289, 34.5835,
30.4883

■ 44.7358, 41.8997,
40.4736

■ 50.6110, 50.4806,
52.2036

Harmonies

Analogous

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



29.7294, 12.8808, 8.5191



24.9235, 12.8808, 1.1726



17.1551, 12.8808, 0.0000

Triad

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



24.9235, 12.8808, 1.1726



3.7048, 12.8808, 4.8614



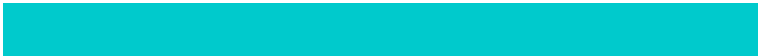
14.6327, 12.8808, 90.2889

Complementary

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



24.9235, 12.8808, 1.1726



32.0086, 46.5788, 64.4297

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.



8.3711, 12.8808, 84.7701



24.9235, 12.8808, 1.1726



3.4544, 12.8808, 21.5035

Square

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



24.9235, 12.8808, 1.1726



5.6968, 12.8808, 0.4125



4.8140, 12.8808, 53.5248



22.5106, 12.8808, 65.1413

Rectangle

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



24.9235, 12.8808, 1.1726



12.2223, 12.8808, 0.0000



4.8140, 12.8808, 53.5248



12.2633, 12.8808, 92.2714

Sweetspot

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



24.9238, 12.8816, 1.1728



65.4999, 56.8418, 49.9025



35.8005, 17.1968, 58.5585



13.3567, 11.1973, 9.3604



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.



24.9238, 12.8816, 1.1728



41.2678, 21.3155, 1.9393



29.6529, 22.3399, 2.7491



11.2212, 11.2314, 11.6559



15.6916, 8.1161, 0.7395



0.8127, 0.4252, 0.0392

Inverse Universe

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



32.0086, 46.5788, 64.4297



52.9997, 77.1194, 106.6999



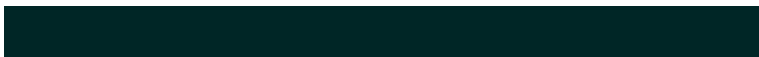
15.6503, 13.8622, 58.9769



11.5333, 12.7070, 14.4152



20.1512, 29.3264, 40.5548



1.0428, 1.5193, 2.0932

Previews

White Background



This preview shows how the XYZ color 24.9235, 12.8808, 1.1726 looks on a white background.

Color Contrast Check

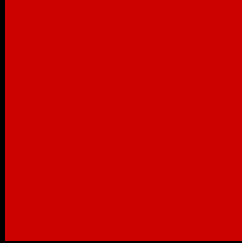
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9235, 12.8808, 1.1726 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 24.9235, 12.8808, 1.1726

Background



This preview shows how black text looks on a background with the XYZ color 24.9235, 12.8808, 1.1726.



This preview shows how white text looks on a background with the XYZ color 24.9235, 12.8808,

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

24.9235, 12.8808, 1.1726

Protanopia

12.2392, 13.4881, 2.9357

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9235, 12.8808, 1.1726

Protanomaly

14.2621, 10.2328, 1.7537

Deuteranomaly

15.6821, 10.7231, 1.2432

Tritanomaly

24.7725, 12.9844, 1.2006

Monochromacy



Original Color

24.9235, 12.8808, 1.1726

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.0644, 5.2415, 2.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9235, 12.8808, 1.1726 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, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 2, 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(204, 2, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 24.9235, 12.8808, 1.1726 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, 2, 0) }
```


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

```
.border{ border-color:rgb(204, 2, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 2, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 2, 0); box-shadow:4px  
4px 4px 4px rgb(204, 2, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9235, 12.8808, 1.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 2, 0) }
```

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

```
.background{ background-color: rgb(204, 2,  
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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