

Converting Colors

XYZ(24.9349, 12.9035, 1.1764)

Have a look what the booklet for
XYZ(24.9349, 12.9035, 1.1764)
contains.

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Color

**XYZ(24.9344, 12.9025,
1.1762)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0300
RGB	204, 3, 0
RGB Percent	80%, 1%, 0%
CMY	0.2000, 0.9881, 1.0000
CMYK	0.00, 0.99, 1.00, 0.20
HSL	1°, 100%, 40%
HSV	1°, 100%, 80%
XYZ	24.9344, 12.9025, 1.1762
YIQ	62.7570, 120.7590, 41.6790

Conversions

Conversions Part 2

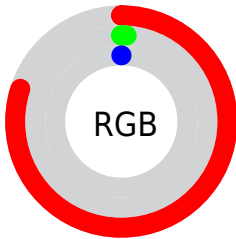
Format	Color
RYB	204, 3, 0
Decimal	13370112
CIELab	42.62, 67.42, 56.85
CIElCh	43, 88.193, 40.137
Yxy	12.9025, 0.6391, 0.3307
Android (android.graphics.Color)	4291560192 (0xFFCC0300)
YUV	62.7570, -30.9392, 123.8701
Hunter-Lab	35.9201, 61.0482, 23.2026

Details

The XYZ color **24.9344, 12.9025, 1.1762** 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 **31.7753, 46.1122, 64.3521**, and the grayscale version is **4.7239, 4.9700, 5.4123**.

A 20% lighter version of the original color is **45.2104, 28.1726, 6.4232**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9347, 12.9033, 1.1764**, and if you desaturate by 10%, it is **25.3407, 13.5075, 1.9523**.

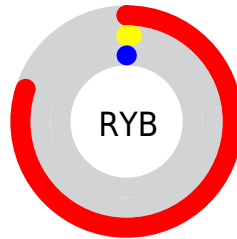
Distribution



Red (80%)

Green (1%)

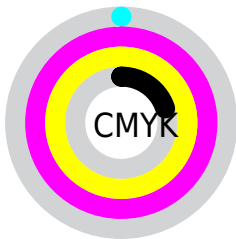
Blue (0%)



Red (80%)

Yellow (1%)

Blue (0%)

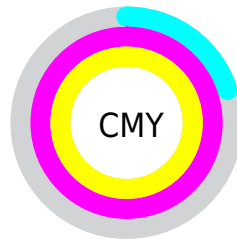


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9344, 12.9025, 1.1762 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 24.9344, 12.9025, 1.1762 by changing the saturation by 10% instead.


 24.9344, 12.9025,
1.1762

 24.9344, 12.9025,
1.1762


 269.8648,
210.2919, 107.8802


 16.1567, 7.3614,
0.0000


 50.9944, 31.1285,
6.6329


 9.7266, 3.6892,
0.0000


 69.0075, 44.5823,
12.0175

 5.2790, 1.5012,
0.0000

 90.8296, 61.4423,
19.7309

 2.4483, 0.2896,
0.0000

 116.8262, 82.0932,
30.1918


 0.8692, 0.0000,
0.0000


 147.3627,
106.9192, 43.8186


 0.0000, 0.0000,
0.0000


 182.8044,


136.3047, 61.0299


 223.5166,
170.6341, 82.2442


 24.9344, 12.9025,
1.1762

 24.9344, 12.9025,
1.1762

 24.9347, 12.9033,
1.1764

 25.3407, 13.5075,
1.9523

 26.1708, 14.7408,
3.5455

 27.5452, 16.7681,
6.2279

 29.5354, 19.6923,
10.1473

 32.2022, 23.6011,
15.4285

■ 35.5990, 28.5718,
22.1811

■ 39.7742, 34.6739,
30.5034

■ 44.7715, 41.9711,
40.4856

■ 50.6319, 50.5222,
52.2107

Harmonies

Analogous

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



29.7465, 12.9025, 8.5188



24.9344, 12.9025, 1.1762



17.1648, 12.9025, 0.0000

Triad

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



24.9344, 12.9025, 1.1762



3.7166, 12.9025, 4.8912



14.6654, 12.9025, 90.2603

Complementary

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



24.9344, 12.9025, 1.1762



31.7753, 46.1122, 64.3521

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.



8.3971, 12.9025, 84.7965



24.9344, 12.9025, 1.1762



3.4681, 12.9025, 21.5669

Square

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



24.9344, 12.9025, 1.1762



5.7082, 12.9025, 0.4231



4.8325, 12.9025, 53.5943



22.5441, 12.9025, 65.0968

Rectangle

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



24.9344, 12.9025, 1.1762



12.2328, 12.9025, 0.0000



4.8325, 12.9025, 53.5943



12.2942, 12.9025, 92.2587

Sweetspot

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



24.9347, 12.9033, 1.1764



65.5751, 56.9924, 49.9276



35.8006, 17.1969, 58.5587



13.3737, 11.2313, 9.3661



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.



24.9347, 12.9033, 1.1764



41.2813, 21.3426, 1.9438



29.6530, 22.3399, 2.7492



11.2255, 11.2400, 11.6573



15.7004, 8.1337, 0.7425



0.8148, 0.4292, 0.0399

Inverse Universe

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



31.7753, 46.1122, 64.3521



52.6083, 76.3366, 106.5694



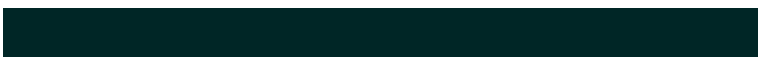
15.6503, 13.8623, 58.9771



11.5284, 12.6972, 14.4136



20.0065, 29.0369, 40.5065



1.0368, 1.5074, 2.0912

Previews

White Background



This preview shows how the XYZ color 24.9344, 12.9025, 1.1762 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 24.9344, 12.9025, 1.1762

Background



This preview shows how black text looks on a background with the XYZ color 24.9344, 12.9025, 1.1762.



This preview shows how white text looks on a background with the XYZ color 24.9344, 12.9025,

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

24.9344, 12.9025, 1.1762

Protanopia

12.2392, 13.4881, 2.9357

Deuteranopia

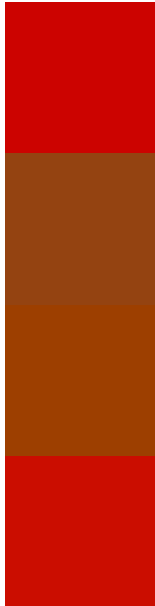
13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9344, 12.9025, 1.1762

Protanomaly

14.3211, 10.3507, 1.7734

Deuteranomaly

15.6821, 10.7231, 1.2432

Tritanomaly

24.7725, 12.9844, 1.2006

Monochromacy



Original Color

24.9344, 12.9025, 1.1762

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.1154, 5.3165, 2.6059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9344, 12.9025, 1.1762 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, 3, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 3, 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, 3, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 3, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9344, 12.9025, 1.1762 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, 3, 0) }
```


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

```
.border{ border-color:rgb(204, 3, 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, 3, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 3, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 3, 0); box-shadow:4px  
4px 4px 4px rgb(204, 3, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9344, 12.9025, 1.1762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 3, 0) }
```

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

```
.background{ background-color: rgb(204, 3,  
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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