

Converting Colors

XYZ(24.9611, 12.8611, 1.4774)

Have a look what the booklet for
XYZ(24.9611, 12.8611, 1.4774)
contains.

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Color

**XYZ(24.9622, 12.8615,
1.4835)**

Conversions

Conversions Part 1

Format	Color
Hex	CC000B
RGB	204, 0, 11
RGB Percent	80%, 0%, 4%
CMY	0.2000, 0.9998, 0.9569
CMYK	0.00, 1.00, 0.95, 0.20
HSL	357°, 100%, 40%
HSV	357°, 100%, 80%
XYZ	24.9622, 12.8615, 1.4835
YIQ	62.2500, 118.0530, 46.6690

Conversions

Conversions Part 2

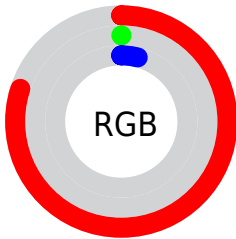
Format	Color
RYB	204, 0, 11
Decimal	13369355
CIELab	42.55, 67.81, 53.19
CIElCh	43, 86.181, 38.109
Yxy	12.8615, 0.6351, 0.3272
Android (android.graphics.Color)	4291559435 (0xFFCC000B)
YUV	62.2500, -25.2662, 124.3148
Hunter-Lab	35.8629, 61.4838, 22.6515

Details

The XYZ color **24.9622, 12.8615, 1.4835** 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 **31.2233, 47.0376, 57.9090**, and the grayscale version is **4.6419, 4.8836, 5.3182**.

A 20% lighter version of the original color is **45.3041, 28.0832, 7.3078**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9618, 12.8613, 1.4823**, and if you desaturate by 10%, it is **25.3979, 13.4486, 2.5061**.

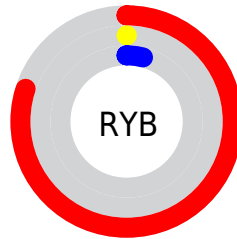
Distribution



Red (80%)

Green (0%)

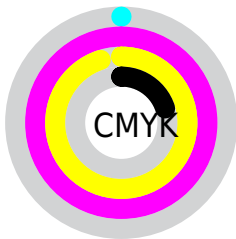
Blue (4%)



Red (80%)

Yellow (0%)

Blue (4%)

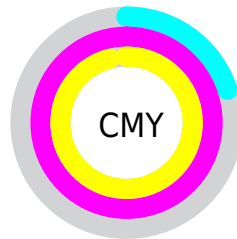


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9622, 12.8615, 1.4835 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 24.9622, 12.8615, 1.4835 by changing the saturation by 10% instead.


 24.9622, 12.8615,
1.4835


 24.9622, 12.8615,
1.4835


 270.0008,
210.0281, 113.7568


 16.1775, 7.3332,
0.2056


 51.0392, 31.0547,
7.5734


 9.7415, 3.6714,
0.0000


 69.0622, 44.4885,
13.4042


 5.2888, 1.4915,
0.0000

 90.8954, 61.3262,
21.6501

 2.4542, 0.2827,
0.0000

 116.9041, 81.9523,
32.7297

 0.8722, 0.0000,
0.0000


 147.4536,
106.7512, 47.0617


 0.0000, 0.0000,
0.0000


 182.9093,


136.1072, 65.0645


 223.6366,
170.4047, 87.1567


 24.9622, 12.8615,
1.4835


 24.9622, 12.8615,
1.4835


 24.9618, 12.8613,
1.4823

 25.3979, 13.4486,
2.5061

 26.2564, 14.6392,
4.4154

 27.6548, 16.6292,
7.3683

 29.6624, 19.5262,
11.4852

 32.3384, 23.4208,
16.8702

■ 35.7348, 28.3928,
23.6156

■ 39.8986, 34.5140,
31.8054

■ 44.8727, 41.8500,
41.5165

■ 50.6968, 50.4612,
52.8207

Harmonies

Analogous

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



29.2850, 12.8615, 9.5301



24.9622, 12.8615, 1.4835



17.5132, 12.8615, 0.0000

Triad

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



24.9622, 12.8615, 1.4835



3.8976, 12.8615, 4.4367



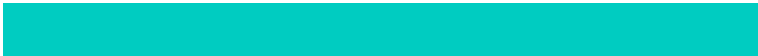
14.0772, 12.8615, 87.9681

Complementary

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



24.9622, 12.8615, 1.4835



31.2233, 47.0376, 57.9090

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.



8.1246, 12.8615, 80.6005



24.9622, 12.8615, 1.4835



3.5458, 12.8615, 19.6961

Square

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



24.9622, 12.8615, 1.4835



6.0103, 12.8615, 0.3886



4.7814, 12.8615, 49.8458



21.6958, 12.8615, 65.4215

Rectangle

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



24.9622, 12.8615, 1.4835



12.6425, 12.8615, 0.0000



4.7814, 12.8615, 49.8458



11.8158, 12.8615, 89.1273

Sweetspot

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



24.9625, 12.8623, 1.4837



65.7668, 56.7028, 52.0660



32.2352, 15.3595, 58.3919



13.4171, 11.1661, 9.8492



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.



24.9625, 12.8623, 1.4837



41.3173, 21.2909, 2.3368



28.4264, 19.8866, 2.3415



11.2364, 11.2233, 11.7793



15.7223, 8.0995, 0.9905



0.8198, 0.4213, 0.0971

Inverse Universe

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



24.9625, 12.8623, 1.4837



41.3173, 21.2909, 2.3368



17.1009, 16.7627, 59.4604



11.2364, 11.2233, 11.7793



15.7223, 8.0995, 0.9905



0.8198, 0.4213, 0.0971

Previews

White Background



This preview shows how the XYZ color 24.9622, 12.8615, 1.4835 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 24.9622, 12.8615, 1.4835

Background



This preview shows how black text looks on a background with the XYZ color 24.9622, 12.8615, 1.4835.



This preview shows how white text looks on a background with the XYZ color 24.9622, 12.8615,

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

24.9622, 12.8615, 1.4835

Protanopia

12.1548, 13.4391, 3.1817

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9622, 12.8615, 1.4835

Protanomaly

14.1355, 10.1613, 2.0269

Deuteranomaly

15.6492, 10.6221, 1.3403

Tritanomaly

24.7820, 12.9682, 1.3118

Monochromacy



Original Color

24.9622, 12.8615, 1.4835

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.1010, 5.2029, 2.8628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9622, 12.8615, 1.4835 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 11) }
```

Border

The CSS property to change the border of an element to XYZ 24.9622, 12.8615, 1.4835 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, 11) }
```


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

```
.border{ border-color:rgb(204, 0, 11) }
```

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, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9622, 12.8615, 1.4835 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, 11) }
```

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

```
.background{ background-color: rgb(204, 0,  
11) }
```

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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