

Converting Colors

XYZ(24.9063, 12.8058, 4.4299)

Have a look what the booklet for
XYZ(24.9063, 12.8058, 4.4299)
contains.

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Color

**XYZ(24.9987, 12.8479,
4.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	CA0234
RGB	202, 2, 52
RGB Percent	79%, 1%, 20%
CMY	0.2078, 0.9920, 0.7961
CMYK	0.00, 0.99, 0.74, 0.21
HSL	345°, 98%, 40%
HSV	345°, 99%, 79%
XYZ	24.9987, 12.8479, 4.4111
YIQ	67.5000, 103.1500, 57.9500

Conversions

Conversions Part 2

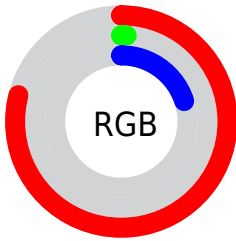
Format	Color
R_{YB}	202, 2, 52
Decimal	13238836
CIE Lab	42.53, 68.06, 32.23
CIE LCh	43, 75.301, 25.341
Yxy	12.8479, 0.5916, 0.3040
Android (android.graphics.Color)	4291428916 (0xFFCA0234)
YUV	67.5000, -7.6415, 117.9565
Hunter-Lab	35.8440, 61.7645, 17.7943

Details

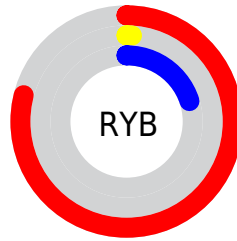
The XYZ color **24.9987, 12.8479, 4.4111** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.8167, 44.5223, 36.9029**, and the grayscale version is **5.4181, 5.7002, 6.2076**.

A 20% lighter version of the original color is **46.7724, 28.7974, 14.6486**, and **10.6968, 5.5087, 0.7579** is the 20% darker color. If you saturate the color by 10%, you get **24.9429, 12.7909, 4.2253**, and if you desaturate by 10%, it is **25.6662, 13.5466, 6.5963**.

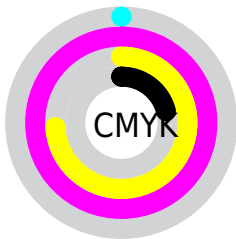
Distribution



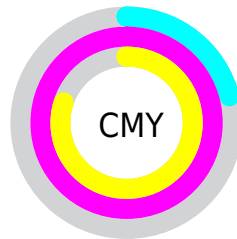
- Red (79%)
- Green (1%)
- Blue (20%)



- Red (79%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (74%)
- Black (21%)





- Cyan (21%)
- Magenta (99%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9987, 12.8479, 4.4111 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 24.9987, 12.8479, 4.4111 by changing the saturation by 10% instead.


 24.9987, 12.8479,
4.4111


 24.9987, 12.8479,
4.4111


270.1792,
209.9406, 152.6907


 16.2048, 7.3239,
1.8535


 51.0980, 31.0303,
14.9473


 9.7610, 3.6655,
0.4629


 69.1342, 44.4574,
23.7630

 5.3018, 1.4883,
0.0000

 90.9818, 61.2877,
35.5017

 2.4620, 0.2804,
0.0000

 117.0062, 81.9056,
50.5821

 0.8761, 0.0000,
0.0000

 147.5728,
106.6954, 69.4226

 0.0000, 0.0000,
0.0000

 183.0469,

136.0416, 92.4419

223.7940,
170.3285, 120.0584

■ 24.9987, 12.8479,
4.4111

■ 24.9987, 12.8479,
4.4111

■ 24.9429, 12.7909,
4.2253

■ 25.6662, 13.5466,
6.5963

■ 26.7353, 14.8577,
9.5025

■ 28.2938, 16.9434,
13.2009

■ 30.3968, 19.9020,
17.7479

■ 33.0920, 23.8172,
23.1941

■ 36.4214, 28.7626,
29.5861

■ 40.4232, 34.8047,
36.9672

■ 45.1325, 42.0043,
45.3777

■ 50.5819, 50.4179,
54.8558

Harmonies

Analogous

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



26.6728, 12.8479, 16.6899



24.9987, 12.8479, 4.4111



19.5447, 12.8479, 0.7966

Triad

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



24.9987, 12.8479, 4.4111



5.2450, 12.8479, 2.6688



11.3448, 12.8479, 74.1650

Complementary

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



24.9987, 12.8479, 4.4111



26.8167, 44.5223, 36.9029

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.



6.9892, 12.8479, 58.7898



24.9987, 12.8479, 4.4111



4.2340, 12.8479, 11.5968

Square

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



24.9987, 12.8479, 4.4111



8.1041, 12.8479, 0.3690



4.7555, 12.8479, 32.1278



17.5147, 12.8479, 65.6653

Rectangle

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



24.9987, 12.8479, 4.4111



15.1928, 12.8479, 0.0338



4.7555, 12.8479, 32.1278



9.6483, 12.8479, 71.4152

Sweetspot

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



24.9990, 12.8487, 4.4113



67.4086, 57.3595, 60.7114



23.6335, 10.9849, 56.7515



13.7931, 11.3165, 11.8291



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.



24.9990, 12.8487, 4.4113



42.1572, 21.6269, 6.7601



25.5975, 15.0196, 1.6085



11.3254, 11.2589, 12.2481



16.0810, 8.2430, 2.8793



0.8609, 0.4378, 0.3136

Inverse Universe

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



24.9990, 12.8487, 4.4113



42.1572, 21.6269, 6.7601



21.9160, 26.7370, 59.8825



11.3254, 11.2589, 12.2481



16.0810, 8.2430, 2.8793



0.8609, 0.4378, 0.3136

Previews

White Background



This preview shows how the XYZ color 24.9987, 12.8479, 4.4111 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 24.9987, 12.8479, 4.4111

Background



This preview shows how black text looks on a background with the XYZ color 24.9987, 12.8479, 4.4111.



This preview shows how white text looks on a background with the XYZ color 24.9987, 12.8479,

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

24.9987, 12.8479, 4.4111

Protanopia

12.5569, 13.3678, 9.1261

Deuteranopia

13.6700, 13.4847, 3.9801



Tritanopia

24.4418, 12.9883, 1.6707

Trichromacy



Original Color

24.9987, 12.8479, 4.4111

Protanomaly

14.3501, 10.1657, 6.8361

Deuteranomaly

15.7687, 10.7130, 3.7193

Tritanomaly

24.4540, 12.8154, 2.2834

Monochromacy



Original Color

24.9987, 12.8479, 4.4111

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1063, 5.9311, 5.2223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9987, 12.8479, 4.4111 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(202, 2, 52)` looks like.

```
.text, #text, p{  
    color:rgb(202, 2, 52)  
}
```

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(202, 2, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 2, 52) }
```

Border

The CSS property to change the border of an element to XYZ 24.9987, 12.8479, 4.4111 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(202, 2, 52) }
```


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

```
.border{ border-color:rgb(202, 2, 52) }
```

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

Here you see how a box with a 4 pixel rgb(202, 2, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 2, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 2, 52);  
box-shadow:4px 4px 4px 4px rgb(202, 2, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9987, 12.8479, 4.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 2, 52) }
```

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

```
.background{ background-color: rgb(202, 2,  
52) }
```

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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