

Converting Colors

XYZ(24.8809, 12.7661, 3.8972)

Have a look what the booklet for
XYZ(24.8809, 12.7661, 3.8972)
contains.

XYZ(24.8906, 12.7700, 3.9493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8906, 12.7700,
3.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	CA0030
RGB	202, 0, 48
RGB Percent	79%, 0%, 19%
CMY	0.2078, 0.9998, 0.8118
CMYK	0.00, 1.00, 0.76, 0.21
HSL	346°, 100%, 40%
HSV	346°, 100%, 79%
XYZ	24.8906, 12.7700, 3.9493
YIQ	65.8700, 104.9840, 57.7520

Conversions

Conversions Part 2

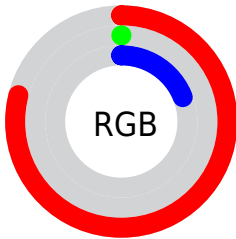
Format	Color
R_{YB}	202, 0, 48
Decimal	13238320
CIE Lab	42.41, 68.10, 34.51
CIE LCh	42, 76.349, 26.873
Yxy	12.7700, 0.5982, 0.3069
Android (android.graphics.Color)	4291428400 (0xFFCA0030)
YUV	65.8700, -8.8099, 119.3860
Hunter-Lab	35.7351, 61.7941, 18.4621

Details

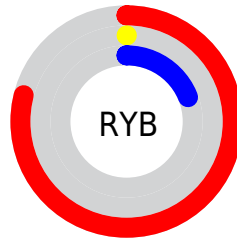
The XYZ color **24.8906, 12.7700, 3.9493** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.9572, 44.5755, 37.7740**, and the grayscale version is **5.1638, 5.4327, 5.9162**.

A 20% lighter version of the original color is **46.5089, 28.5652, 13.6520**, and **10.6639, 5.4955, 0.5848** is the 20% darker color. If you saturate the color by 10%, you get **24.8897, 12.7696, 3.9456**, and if you desaturate by 10%, it is **25.5199, 13.4288, 6.0090**.

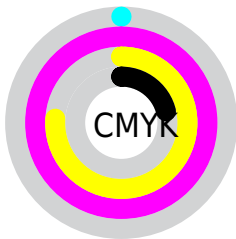
Distribution



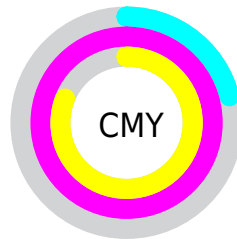
- Red (79%)
- Green (0%)
- Blue (19%)



- Red (79%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8906, 12.7700, 3.9493 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 24.8906, 12.7700, 3.9493 by changing the saturation by 10% instead.


 24.8906, 12.7700,
3.9493


 24.8906, 12.7700,
3.9493


269.6504,
209.4383, 147.6602


 16.1239, 7.2704,
1.5976


 50.9239, 30.8900,
13.8927


 9.7032, 3.6318,
0.2891


 68.9211, 44.2791,
22.3214


 5.2634, 1.4698,
0.0000

 90.7259, 61.0668,
33.6128

 2.4390, 0.2673,
0.0000

 116.7036, 81.6375,
48.1856

 0.8646, 0.0000,
0.0000

 147.2195,
106.3756, 66.4581

 0.0000, 0.0000,
0.0000

 182.6390,

135.6655, 88.8491

223.3275,
169.8916, 115.7769

■ 24.8906, 12.7700,
3.9493

■ 24.8906, 12.7700,
3.9493

■ 24.8897, 12.7696,
3.9456

■ 25.5199, 13.4288,
6.0090

■ 26.5350, 14.6659,
8.7926

■ 28.0365, 16.6680,
12.3788

■ 30.0812, 19.5356,
16.8271

■ 32.7176, 23.3535,
22.1910

■ 35.9887, 28.1965,
28.5193

■ 39.9332, 34.1318,
35.8575

■ 44.5869, 41.2208,
44.2479

■ 49.9830, 49.5205,
53.7303

Harmonies

Analogous

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



26.8373, 12.7700, 15.7015



24.8906, 12.7700, 3.9493



19.2267, 12.7700, 0.6425

Triad

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



24.8906, 12.7700, 3.9493



5.0402, 12.7700, 2.7939



11.5451, 12.7700, 75.4090

Complementary

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



24.8906, 12.7700, 3.9493



26.9572, 44.5755, 37.7740

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.



7.0482, 12.7700, 60.7560



24.8906, 12.7700, 3.9493



4.1138, 12.7700, 12.2498

Square

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



24.8906, 12.7700, 3.9493



7.7995, 12.7700, 0.3513



4.7123, 12.7700, 33.6550



17.8437, 12.7700, 65.4837

Rectangle

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



24.8906, 12.7700, 3.9493



14.8217, 12.7700, 0.0000



4.7123, 12.7700, 33.6550



9.7987, 12.7700, 73.0292

Sweetspot

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



24.8909, 12.7708, 3.9495



67.2998, 57.3160, 60.1386



23.5185, 10.8935, 56.7397



13.7679, 11.3064, 11.6967



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.



24.8909, 12.7708, 3.9495



42.0703, 21.5921, 6.3022



25.5207, 14.8836, 1.5290



11.3197, 11.2566, 12.2181



16.0457, 8.2289, 2.6934



0.8583, 0.4367, 0.2999

Inverse Universe

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



24.8909, 12.7708, 3.9495



42.0703, 21.5921, 6.3022



21.8101, 26.5624, 59.8541



11.3197, 11.2566, 12.2181



16.0457, 8.2289, 2.6934



0.8583, 0.4367, 0.2999

Previews

White Background



This preview shows how the XYZ color 24.8906, 12.7700, 3.9493 looks on a white background.

Color Contrast Check

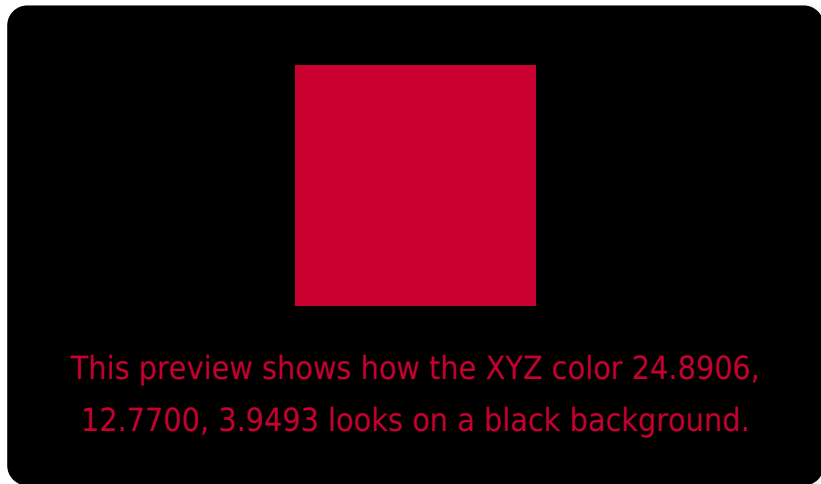
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8906, 12.7700, 3.9493

Background



This preview shows how black text looks on a background with the XYZ color 24.8906, 12.7700, 3.9493.



This preview shows how white text looks on a background with the XYZ color 24.8906, 12.7700,

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

24.8906, 12.7700, 3.9493

Protanopia

12.3844, 13.2988, 8.2175

Deuteranopia

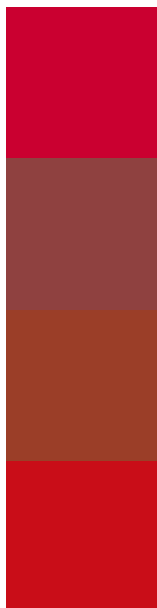
13.4952, 13.2660, 3.5184



Tritanopia

24.3980, 12.9420, 1.5287

Trichromacy



Original Color

24.8906, 12.7700, 3.9493

Protanomaly

14.1434, 9.9904, 6.0334

Deuteranomaly

15.6232, 10.5670, 3.2237

Tritanomaly

24.3962, 12.7713, 2.0434

Monochromacy



Original Color

24.8906, 12.7700, 3.9493

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.6876, 5.6165, 4.7639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8906, 12.7700, 3.9493 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, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 48)  
}
```

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, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 24.8906, 12.7700, 3.9493 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, 0, 48) }
```


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

```
.border{ border-color:rgb(202, 0, 48) }
```

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

Here you see how a box with a 4 pixel rgb(202, 0, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(202, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.8906, 12.7700, 3.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 48) }
```

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

```
.background{ background-color: rgb(202, 0,  
48) }
```

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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