

Converting Colors

XYZ(24.8806, 12.8188, 4.4564)

Have a look what the booklet for
XYZ(24.8806, 12.8188, 4.4564)
contains.

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Color

**XYZ(24.7506, 12.7523,
4.4057)**

Conversions

Conversions Part 1

Format	Color
Hex	C90434
RGB	201, 4, 52
RGB Percent	79%, 2%, 20%
CMY	0.2118, 0.9841, 0.7961
CMYK	0.00, 0.98, 0.74, 0.21
HSL	345°, 96%, 40%
HSV	345°, 98%, 79%
XYZ	24.7506, 12.7523, 4.4057
YIQ	68.3750, 102.0040, 56.6920

Conversions

Conversions Part 2

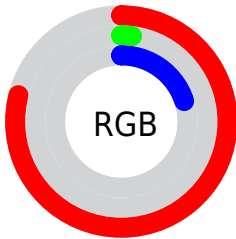
Format	Color
RYB	201, 4, 52
Decimal	13173812
CIELab	42.39, 67.62, 32.01
CIElCh	42, 74.812, 25.330
Yxy	12.7523, 0.5906, 0.3043
Android (android.graphics.Color)	4291363892 (0xFFC90434)
YUV	68.3750, -8.0729, 116.3121
Hunter-Lab	35.7104, 61.2240, 17.6825

Details

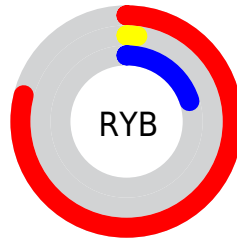
The XYZ color **24.7506, 12.7523, 4.4057** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.6904, 44.1003, 37.2612**, and the grayscale version is **5.5598, 5.8494, 6.3700**.

A 20% lighter version of the original color is **46.7724, 28.7974, 14.6486**, and **10.5305, 5.4230, 0.7502** is the 20% darker color. If you saturate the color by 10%, you get **24.6403, 12.6386, 4.0400**, and if you desaturate by 10%, it is **25.4361, 13.4843, 6.6047**.

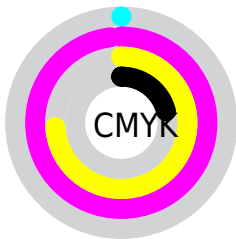
Distribution



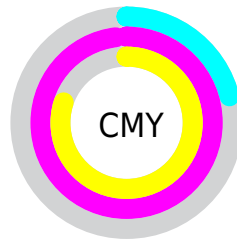
- Red (79%)
- Green (2%)
- Blue (20%)



- Red (79%)
- Yellow (2%)
- Blue (20%)



- Cyan (0%)
- Magenta (98%)
- Yellow (74%)
- Black (21%)





- Cyan (21%)
- Magenta (98%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7506, 12.7523, 4.4057 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 24.7506, 12.7523, 4.4057 by changing the saturation by 10% instead.


 24.7506, 12.7523,
4.4057

 24.7506, 12.7523,
4.4057


268.9642,
209.3240, 152.6333


 16.0191, 7.2582,
1.8504


 50.6981, 30.8581,
14.9351


 9.6286, 3.6241,
0.4609


 68.6449, 44.2385,
23.7464


 5.2138, 1.4656,
0.0000

 90.3941, 61.0165,
35.4800

 2.4093, 0.2643,
0.0000

 116.3111, 81.5765,
50.5546

 0.8497, 0.0000,
0.0000

 146.7612,
106.3029, 69.3887

 0.0000, 0.0000,
0.0000

 182.1099,

135.5800, 92.4008

222.7225,
169.7922, 120.0095

■ 24.7506, 12.7523,
4.4057

■ 24.7506, 12.7523,
4.4057

■ 24.6403, 12.6386,
4.0400

■ 25.4361, 13.4843,
6.6047

■ 26.5357, 14.8524,
9.5332

■ 28.1266, 16.9977,
13.2592

■ 30.2627, 20.0154,
17.8390

■ 32.9906, 23.9871,
23.3233

■ 36.3515, 28.9848,
29.7587

■ 40.3830, 35.0737,
37.1885

■ 45.1196, 42.3134,
45.6533

■ 50.5935, 50.7593,
55.1912

Harmonies

Analogous

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



26.4008, 12.7523, 16.5612



24.7506, 12.7523, 4.4057



19.3678, 12.7523, 0.8078

Triad

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



24.7506, 12.7523, 4.4057



5.2272, 12.7523, 2.6709



11.2617, 12.7523, 73.2334

Complementary

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



24.7506, 12.7523, 4.4057



26.6904, 44.1003, 37.2612

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.



6.9531, 12.7523, 58.0758



24.7506, 12.7523, 4.4057



4.2241, 12.7523, 11.5140

Square

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



24.7506, 12.7523, 4.4057



8.0595, 12.7523, 0.3819



4.7407, 12.7523, 31.7860



17.3581, 12.7523, 64.8677

Rectangle

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



24.7506, 12.7523, 4.4057



15.0694, 12.7523, 0.0496



4.7407, 12.7523, 31.7860



9.5841, 12.7523, 70.5212

Sweetspot

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



24.7509, 12.7531, 4.4059



68.0893, 58.4542, 61.7609



23.4905, 10.9571, 56.1346



13.9195, 11.5214, 12.0190



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.



24.7509, 12.7531, 4.4059



42.1119, 21.6088, 6.5216



25.3953, 14.9983, 1.6726



10.7380, 10.6786, 11.6036



15.5238, 7.9591, 2.7022



0.7647, 0.3887, 0.2843

Inverse Universe

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



24.7509, 12.7531, 4.4059



42.1119, 21.6088, 6.5216



21.7825, 26.6219, 59.2483



10.7380, 10.6786, 11.6036



15.5238, 7.9591, 2.7022



0.7647, 0.3887, 0.2843

Previews

White Background



This preview shows how the XYZ color 24.7506, 12.7523, 4.4057 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 24.7506, 12.7523, 4.4057 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 24.7506, 12.7523, 4.4057

Background



This preview shows how black text looks on a background with the XYZ color 24.7506, 12.7523, 4.4057.



This preview shows how white text looks on a background with the XYZ color 24.7506, 12.7523,

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

24.7506, 12.7523, 4.4057

Protanopia

12.4332, 13.3040, 9.1204

Deuteranopia

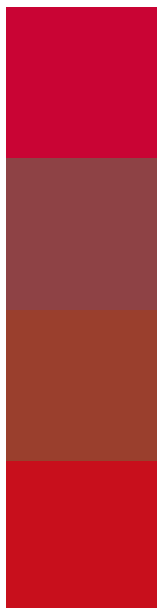
13.4273, 13.2215, 3.9421



Tritanopia

24.1926, 12.8877, 1.6644

Trichromacy



Original Color

24.7506, 12.7523, 4.4057

Protanomaly

14.1777, 10.0769, 6.8280

Deuteranomaly

15.5776, 10.6145, 3.7104

Tritanomaly

24.1998, 12.7048, 2.2754

Monochromacy



Original Color

24.7506, 12.7523, 4.4057

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.0103, 5.9376, 5.2286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7506, 12.7523, 4.4057 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(201, 4, 52)` looks like.

```
.text, #text, p{  
    color:rgb(201, 4, 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(201, 4, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 4, 52) }
```

Border

The CSS property to change the border of an element to XYZ 24.7506, 12.7523, 4.4057 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(201, 4, 52) }
```


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

```
.border{ border-color:rgb(201, 4, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 4, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 4, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 4, 52);  
box-shadow:4px 4px 4px 4px rgb(201, 4, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7506, 12.7523, 4.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 4, 52) }
```

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

```
.background{ background-color: rgb(201, 4,  
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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