

Converting Colors

XYZ(24.2752, 12.4279, 5.0428)

Have a look what the booklet for
XYZ(24.2752, 12.4279, 5.0428)
contains.

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Color

**XYZ(24.2917, 12.4375,
4.9913)**

Conversions

Conversions Part 1

Format	Color
Hex	C70039
RGB	199, 0, 57
RGB Percent	78%, 0%, 22%
CMY	0.2196, 0.9998, 0.7765
CMYK	0.00, 1.00, 0.71, 0.22
HSL	343°, 100%, 39%
HSV	343°, 100%, 78%
XYZ	24.2917, 12.4375, 4.9913
YIQ	65.9990, 100.3070, 59.9150

Conversions

Conversions Part 2

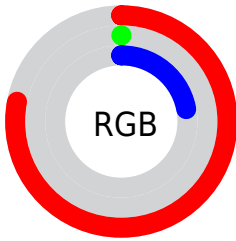
Format	Color
RYB	199, 0, 57
Decimal	13041721
CIELab	41.90, 67.72, 28.25
CIElCh	42, 73.380, 22.647
Yxy	12.4375, 0.5822, 0.2981
Android (android.graphics.Color)	4291231801 (0xFFC70039)
YUV	65.9990, -4.4365, 116.6419
Hunter-Lab	35.2668, 61.2333, 16.2955

Details

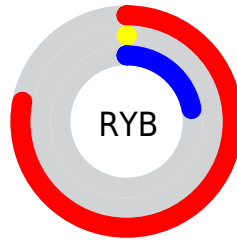
The XYZ color **24.2917, 12.4375, 4.9913** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **25.3091, 42.8009, 32.5334**, and the grayscale version is **5.1772, 5.4468, 5.9316**.

A 20% lighter version of the original color is **46.9872, 28.7565, 16.1708**, and **10.2469, 5.2717, 0.9677** is the 20% darker color. If you saturate the color by 10%, you get **24.2909, 12.4372, 4.9877**, and if you desaturate by 10%, it is **24.9460, 13.0977, 7.2088**.

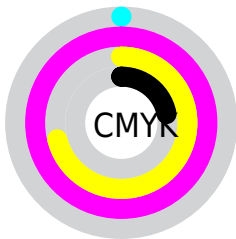
Distribution



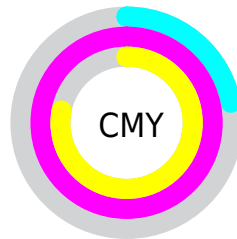
- Red (78%)
- Green (0%)
- Blue (22%)



- Red (78%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2917, 12.4375, 4.9913 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 24.2917, 12.4375, 4.9913 by changing the saturation by 10% instead.


 24.2917, 12.4375,
4.9913


 24.2917, 12.4375,
4.9913


266.7051,
207.2805, 158.6777


 15.6761, 7.0424,
2.1835


 49.9570, 30.2895,
16.2382


 9.3846, 3.4886,
0.6648


 67.7374, 43.5151,
25.5144

 5.0520, 1.3918,
0.0000

 89.3034, 60.1196,
37.7837

 2.3129, 0.2107,
0.0000

 115.0204, 80.4875,
53.4649

 0.8012, 0.0000,
0.0000

 145.2537,
105.0032, 72.9763

 0.0000, 0.0000,
0.0000

 180.3686,

134.0510, 96.7366

220.7307,
168.0153, 125.1642

■ 24.2917, 12.4375,
4.9913

■ 24.2917, 12.4375,
4.9913

■ 24.2909, 12.4372,
4.9877

■ 24.9460, 13.0977,
7.2088

■ 25.9623, 14.3111,
10.0731

■ 27.4366, 16.2590,
13.6497

■ 29.4218, 19.0372,
17.9871

■ 31.9632, 22.7269,
23.1289

■ 35.1009, 27.3998,
29.1151

■ 38.8710, 33.1199,
35.9829

■ 43.3068, 39.9462,
43.7672

■ 48.4392, 47.9330,
52.5007

Harmonies

Analogous

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



25.4711, 12.4375, 17.7351



24.2917, 12.4375, 4.9913



19.3434, 12.4375, 0.9730

Triad

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



24.2917, 12.4375, 4.9913



5.3192, 12.4375, 2.3031



10.5365, 12.4375, 69.9945

Complementary

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



24.2917, 12.4375, 4.9913



25.3091, 42.8009, 32.5334

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.



6.5566, 12.4375, 53.8503



24.2917, 12.4375, 4.9913



4.2026, 12.4375, 10.0687

Square

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



24.2917, 12.4375, 4.9913



8.2440, 12.4375, 0.3163



4.5735, 12.4375, 28.6018



16.3080, 12.4375, 64.0241

Rectangle

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



24.2917, 12.4375, 4.9913



15.2121, 12.4375, 0.1543



4.5735, 12.4375, 28.6018



8.9763, 12.4375, 66.7180

Sweetspot

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



24.2920, 12.4383, 4.9915



67.7324, 57.4891, 62.4167



21.0087, 9.6401, 54.7859



13.8681, 11.3465, 12.2240



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.



24.2920, 12.4383, 4.9915



42.4428, 21.7411, 8.2638



24.3063, 13.6483, 1.3544



10.7566, 10.6860, 11.7018



15.6528, 8.0107, 3.3814



0.7731, 0.3921, 0.3284

Inverse Universe

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



24.2920, 12.4383, 4.9915



42.4428, 21.7411, 8.2638



22.7430, 28.9914, 58.4297



10.7566, 10.6860, 11.7018



15.6528, 8.0107, 3.3814



0.7731, 0.3921, 0.3284

Previews

White Background



This preview shows how the XYZ color 24.2917, 12.4375, 4.9913 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 24.2917, 12.4375, 4.9913

Background



This preview shows how black text looks on a background with the XYZ color 24.2917, 12.4375, 4.9913.



This preview shows how white text looks on a background with the XYZ color 24.2917, 12.4375,

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

24.2917, 12.4375, 4.9913

Protanopia

12.3568, 13.0890, 10.4695

Deuteranopia

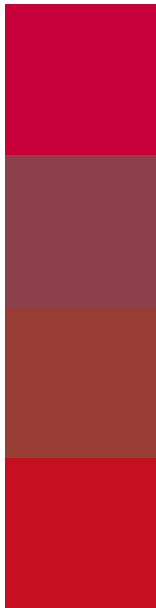
13.1534, 12.9310, 4.4920



Tritanopia

23.7043, 12.6622, 1.7670

Trichromacy



Original Color

24.2917, 12.4375, 4.9913

Protanomaly

13.9186, 9.7502, 7.8050

Deuteranomaly

15.2152, 10.2519, 4.3089

Tritanomaly

23.7202, 12.4517, 2.5197

Monochromacy



Original Color

24.2917, 12.4375, 4.9913

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.6646, 5.5922, 5.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2917, 12.4375, 4.9913 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(199, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 57)  
}
```

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(199, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 24.2917, 12.4375, 4.9913 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(199, 0, 57) }
```


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

```
.border{ border-color:rgb(199, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2917, 12.4375, 4.9913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 57) }
```

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

```
.background{ background-color: rgb(199, 0,  
57) }
```

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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