

Converting Colors

XYZ(24.2904, 12.4864, 2.7520)

Have a look what the booklet for
XYZ(24.2904, 12.4864, 2.7520)
contains.

XYZ(24.3908, 12.5389, 2.7248)	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(24.3908, 12.5389,
2.7248)**

Conversions

Conversions Part 1

Format	Color
Hex	C90023
RGB	201, 0, 35
RGB Percent	79%, 0%, 14%
CMY	0.2118, 0.9998, 0.8627
CMYK	0.00, 1.00, 0.83, 0.21
HSL	350°, 100%, 39%
HSV	350°, 100%, 79%
XYZ	24.3908, 12.5389, 2.7248
YIQ	64.0890, 108.5610, 53.4970

Conversions

Conversions Part 2

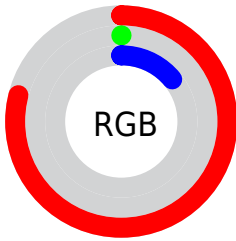
Format	Color
RYB	201, 0, 35
Decimal	13172771
CIELab	42.06, 67.48, 41.60
CIElCh	42, 79.271, 31.657
Yxy	12.5389, 0.6151, 0.3162
Android (android.graphics.Color)	4291362851 (0xFFC90023)
YUV	64.0890, -14.3409, 120.0709
Hunter-Lab	35.4103, 60.9837, 20.2249

Details

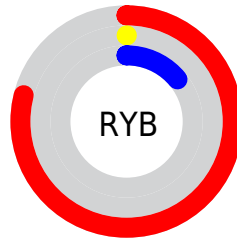
The XYZ color **24.3908, 12.5389, 2.7248** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.7738, 44.5280, 43.2276**, and the grayscale version is **4.8995, 5.1546, 5.6134**.

A 20% lighter version of the original color is **45.9737, 28.3511, 10.8338**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.3901, 12.5386, 2.7220**, and if you desaturate by 10%, it is **24.9509, 13.1672, 4.4287**.

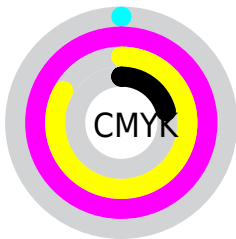
Distribution



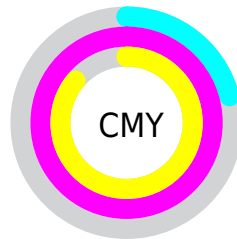
- Red (79%)
- Green (0%)
- Blue (14%)



- Red (79%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3908, 12.5389, 2.7248 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 24.3908, 12.5389, 2.7248 by changing the saturation by 10% instead.


 24.3908, 12.5389,
2.7248


 24.3908, 12.5389,
2.7248


267.1943,
207.9410, 132.7745


 15.7501, 7.1118,
0.9559


 50.1172, 30.4729,
10.9415


 9.4372, 3.5321,
0.0000


 67.9336, 43.7485,
18.2263

 5.0868, 1.4154,
0.0000

 89.5393, 60.4092,
28.1869

 2.3336, 0.2281,
0.0000

 115.2996, 80.8392,
41.2417

 0.8118, 0.0000,
0.0000

 145.5799,
105.4230, 57.8093

 0.0000, 0.0000,
0.0000

 180.7456,

134.5450, 78.3083

221.1619,
168.5895, 103.1572

24.3908, 12.5389,
2.7248

24.3908, 12.5389,
2.7248

24.3901, 12.5386,
2.7220

24.9509, 13.1672,
4.4287

25.9040, 14.3713,
6.9107

27.3533, 16.3380,
10.2668

29.3577, 19.1675,
14.5709

31.9677, 22.9446,
19.8889

■ 35.2278, 27.7440,
26.2804

■ 39.1783, 33.6330,
33.8007

■ 43.8564, 40.6729,
42.5009

■ 49.2964, 48.9205,
52.4292

Harmonies

Analogous

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



27.2010, 12.5389, 12.7364



24.3908, 12.5389, 2.7248



18.1436, 12.5389, 0.1922

Triad

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



24.3908, 12.5389, 2.7248



4.4709, 12.5389, 3.3179



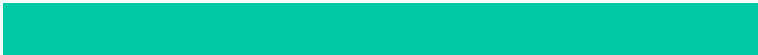
12.2483, 12.5389, 78.5083

Complementary

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



24.3908, 12.5389, 2.7248



27.7738, 44.5280, 43.2276

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.



7.3092, 12.5389, 66.7166



24.3908, 12.5389, 2.7248



3.8034, 12.5389, 14.6120

Square

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



24.3908, 12.5389, 2.7248



6.9074, 12.5389, 0.3524



4.6434, 12.5389, 38.7300



18.9045, 12.5389, 64.0528

Rectangle

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



24.3908, 12.5389, 2.7248



13.6379, 12.5389, 0.0000



4.6434, 12.5389, 38.7300



10.3489, 12.5389, 77.4547

Sweetspot

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



24.3911, 12.5397, 2.7250



66.7532, 57.0974, 57.2600



25.8854, 12.1272, 56.2344



13.6421, 11.2561, 11.0340



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.



24.3911, 12.5397, 2.7250



41.7014, 21.4446, 4.3596



25.9028, 16.0482, 1.7336



10.7079, 10.6666, 11.4452



15.3595, 7.8934, 1.8372



0.7511, 0.3833, 0.2127

Inverse Universe

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



24.3911, 12.5397, 2.7250



41.7014, 21.4446, 4.3596



19.5405, 22.2120, 58.5154



10.7079, 10.6666, 11.4452



15.3595, 7.8934, 1.8372



0.7511, 0.3833, 0.2127

Previews

White Background



This preview shows how the XYZ color 24.3908, 12.5389, 2.7248 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 24.3908, 12.5389, 2.7248 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 24.3908, 12.5389, 2.7248

Background



This preview shows how black text looks on a background with the XYZ color 24.3908, 12.5389, 2.7248.



This preview shows how white text looks on a background with the XYZ color 24.3908, 12.5389,

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

24.3908, 12.5389, 2.7248

Protanopia

12.1231, 13.2233, 5.5278

Deuteranopia

13.1712, 12.9894, 2.2650



Tritanopia

24.0357, 12.7120, 1.1868

Trichromacy



Original Color

24.3908, 12.5389, 2.7248

Protanomaly

13.9254, 9.9233, 3.9777

Deuteranomaly

15.3311, 10.3640, 1.9515

Tritanomaly

24.0117, 12.5478, 1.5372

Monochromacy



Original Color

24.3908, 12.5389, 2.7248

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.3750, 5.4203, 3.9730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3908, 12.5389, 2.7248 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, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 35)  
}
```

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, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 24.3908, 12.5389, 2.7248 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, 0, 35) }
```


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

```
.border{ border-color:rgb(201, 0, 35) }
```

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

Here you see how a box with a 4 pixel rgb(201, 0, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.3908, 12.5389, 2.7248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 35) }
```

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

```
.background{ background-color: rgb(201, 0,  
35) }
```

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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