

Converting Colors

XYZ(24.5767, 12.6192, 3.4356)

Have a look what the booklet for
XYZ(24.5767, 12.6192, 3.4356)
contains.

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Color

**XYZ(24.5234, 12.5919,
3.4235)**

Conversions

Conversions Part 1

Format	Color
Hex	C9002B
RGB	201, 0, 43
RGB Percent	79%, 0%, 17%
CMY	0.2118, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.79, 0.21
HSL	347°, 100%, 39%
HSV	347°, 100%, 79%
XYZ	24.5234, 12.5919, 3.4235
YIQ	65.0010, 105.9930, 55.9850

Conversions

Conversions Part 2

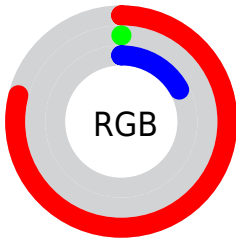
Format	Color
R_{YB}	201, 0, 43
Decimal	13172779
CIE _{Lab}	42.14, 67.70, 37.12
CIE _{LCh}	42, 77.208, 28.736
Yxy	12.5919, 0.6049, 0.3106
Android (android.graphics.Color)	4291362859 (0xFFC9002B)
YUV	65.0010, -10.8465, 119.2711
Hunter-Lab	35.4851, 61.2608, 19.1194

Details

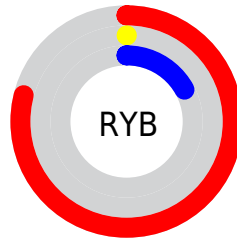
The XYZ color **24.5234, 12.5919, 3.4235** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.0619, 44.2431, 39.4789**, and the grayscale version is **5.0326, 5.2947, 5.7660**.

A 20% lighter version of the original color is **46.2917, 28.4783, 12.5082**, and **10.4812, 5.4033, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **24.5226, 12.5916, 3.4204**, and if you desaturate by 10%, it is **25.1242, 13.2364, 5.3417**.

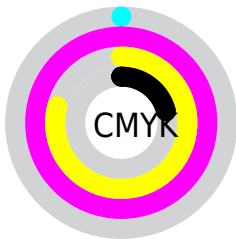
Distribution



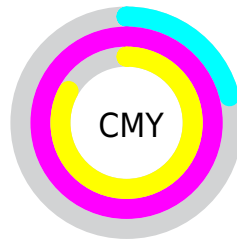
- Red (79%)
- Green (0%)
- Blue (17%)



- Red (79%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (21%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5234, 12.5919, 3.4235 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 24.5234, 12.5919, 3.4235 by changing the saturation by 10% instead.


 24.5234, 12.5919,
3.4235


 24.5234, 12.5919,
3.4235


267.8477,
208.2854, 141.5842


 15.8492, 7.1481,
1.3147


 50.3315, 30.5686,
12.6567


 9.5077, 3.5549,
0.0738


 68.1960, 43.8704,
20.6182

 5.1335, 1.4278,
0.0000

 89.8547, 60.5603,
31.3677

 2.3614, 0.2371,
0.0000

 115.6729, 81.0227,
45.3238

 0.8258, 0.0000,
0.0000

 146.0159,
105.6420, 62.9049

 0.0000, 0.0000,
0.0000

 181.2491,

134.8026, 84.5297

221.7379,
168.8890, 110.6166

■ 24.5234, 12.5919,
3.4235

■ 24.5234, 12.5919,
3.4235

■ 24.5226, 12.5916,
3.4204

■ 25.1242, 13.2364,
5.3417

■ 26.1107, 14.4539,
8.0000

■ 27.5839, 16.4301,
11.4821

■ 29.6008, 19.2645,
15.8521

■ 32.2102, 23.0413,
21.1673

■ 35.4553, 27.8346,
27.4801

■ 39.3751, 33.7112,
34.8387

■ 44.0055, 40.7319,
43.2884

■ 49.3799, 48.9532,
52.8717

Harmonies

Analogous

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



26.7828, 12.5919, 14.4211



24.5234, 12.5919, 3.4235



18.6757, 12.5919, 0.4658

Triad

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



24.5234, 12.5919, 3.4235



4.7844, 12.5919, 2.9657



11.7259, 12.5919, 76.0286

Complementary

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



24.5234, 12.5919, 3.4235



27.0619, 44.2431, 39.4789

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.



7.0965, 12.5919, 62.5290



24.5234, 12.5919, 3.4235



3.9659, 12.5919, 13.0235

Square

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



24.5234, 12.5919, 3.4235



7.3990, 12.5919, 0.3467



4.6532, 12.5919, 35.2769



18.1129, 12.5919, 64.4705

Rectangle

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



24.5234, 12.5919, 3.4235



14.2615, 12.5919, 0.0000



4.6532, 12.5919, 35.2769



9.9350, 12.5919, 74.1566

Sweetspot

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



24.5237, 12.5927, 3.4237



67.0939, 57.2337, 59.0541



24.5372, 11.4322, 56.1712



13.7204, 11.2874, 11.4466



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.



24.5237, 12.5927, 3.4237



41.9180, 21.5312, 5.5001



25.5495, 15.3417, 1.6158



10.7251, 10.6734, 11.5358



15.4470, 7.9283, 2.2976



0.7589, 0.3864, 0.2537

Inverse Universe

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



24.5237, 12.5927, 3.4237



41.9180, 21.5312, 5.5001



20.5255, 24.1823, 58.8437



10.7251, 10.6734, 11.5358



15.4470, 7.9283, 2.2976



0.7589, 0.3864, 0.2537

Previews

White Background



This preview shows how the XYZ color 24.5234, 12.5919, 3.4235 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 24.5234, 12.5919, 3.4235 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 24.5234, 12.5919, 3.4235

Background



This preview shows how black text looks on a background with the XYZ color 24.5234, 12.5919, 3.4235.



This preview shows how white text looks on a background with the XYZ color 24.5234, 12.5919,

3.4235.

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

24.5234, 12.5919, 3.4235

Protanopia

12.2903, 13.2756, 7.0689

Deuteranopia

13.3986, 13.2273, 3.0093



Tritanopia

24.3366, 12.8633, 1.3725

Trichromacy



Original Color

24.5234, 12.5919, 3.4235

Protanomaly

14.1556, 10.0154, 5.1901

Deuteranomaly

15.5289, 10.5293, 2.7273

Tritanomaly

24.3246, 12.7039, 1.7861

Monochromacy



Original Color

24.5234, 12.5919, 3.4235

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.4709, 5.4587, 4.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5234, 12.5919, 3.4235 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 24.5234, 12.5919, 3.4235 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, 43) }
```


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

```
.border{ border-color:rgb(201, 0, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.5234, 12.5919, 3.4235 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, 43) }
```

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

```
.background{ background-color: rgb(201, 0,  
43) }
```

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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