

Converting Colors

XYZ(24.0213, 13.2713, 4.2684)

Have a look what the booklet for
XYZ(24.0213, 13.2713, 4.2684)
contains.

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Color

**XYZ(23.9715, 13.2278,
4.3074)**

Conversions

Conversions Part 1

Format	Color
Hex	C42432
RGB	196, 36, 50
RGB Percent	77%, 14%, 20%
CMY	0.2314, 0.8588, 0.8039
CMYK	0.00, 0.82, 0.74, 0.23
HSL	355°, 69%, 45%
HSV	355°, 82%, 77%
XYZ	23.9715, 13.2278, 4.3074
YIQ	85.4360, 90.8660, 38.2740

Conversions

Conversions Part 2

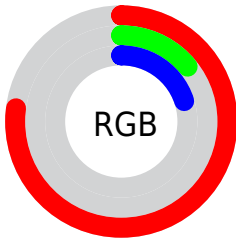
Format	Color
R _Y B	196, 36, 50
Decimal	12854322
CIE Lab	43.10, 61.14, 33.76
CIE LCh	43, 69.843, 28.903
Yxy	13.2278, 0.5775, 0.3187
Android (android.graphics.Color)	4291044402 (0xFFC42432)
YUV	85.4360, -17.4699, 96.9646
Hunter-Lab	36.3700, 54.0018, 18.4372

Details

The XYZ color **23.9715, 13.2278, 4.3074** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **28.9127, 43.2328, 51.0843**, and the grayscale version is **8.7498, 9.2055, 10.0247**.

A 20% lighter version of the original color is **47.7654, 30.8584, 14.7480**, and **9.8644, 5.0815, 0.6332** is the 20% darker color. If you saturate the color by 10%, you get **23.2185, 12.2236, 2.5103**, and if you desaturate by 10%, it is **25.2003, 14.9428, 7.0068**.

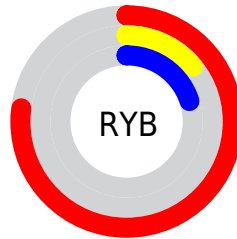
Distribution



Red (77%)

Green (14%)

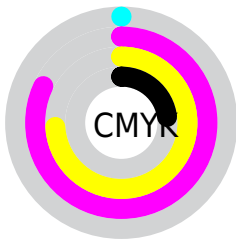
Blue (20%)



Red (77%)

Yellow (14%)

Blue (20%)

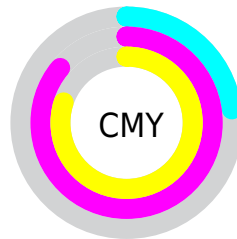


Cyan (0%)

Magenta (82%)

Yellow (74%)

Black (23%)



Cyan (23%)


Magenta (86%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9715, 13.2278, 4.3074 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 23.9715, 13.2278, 4.3074 by changing the saturation by 10% instead.


 23.9715, 13.2278,
4.3074


 23.9715, 13.2278,
4.3074


265.1195,
212.3725, 151.5832


 15.4371, 7.5856,
1.7955


 49.4387, 31.7124,
14.7127


 9.2150, 3.8309,
0.4250


 67.1022, 45.3237,
23.4432

 4.9399, 1.5795,
0.0000

 88.5395, 62.3600,
35.0836

 2.2465, 0.3437,
0.0000

 114.1159, 83.2059,
50.0524

 0.7671, 0.0000,
0.0000

 144.1967,
108.2457, 68.7683

 0.0000, 0.0000,
0.0000

 179.1473,

137.8638, 91.6496

219.3332,
172.4446, 119.1151

■ 23.9715, 13.2278,
4.3074

■ 23.9715, 13.2278,
4.3074

■ 23.2185, 12.2236,
2.5103

■ 25.2003, 14.9428,
7.0068

■ 22.8670, 11.7765,
1.6037

■ 26.9660, 17.4653,
10.7062

■ 29.3217, 20.8793,
15.4911

■ 32.3138, 25.2580,
21.4376

■ 35.9838, 30.6667,
28.6151

■ 40.3700, 37.1651,
37.0875

■ 45.5076, 44.8084,
46.9141

■ 51.4297, 53.6480,
58.1509

■ 58.1672, 63.7322,
70.8503

Harmonies

Analogous

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



26.0039, 13.2278, 14.9773



23.9715, 13.2278, 4.3074



18.7053, 13.2278, 1.0154

Triad

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



23.9715, 13.2278, 4.3074



5.6341, 13.2278, 3.8829



12.3757, 13.2278, 68.9357

Complementary

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



23.9715, 13.2278, 4.3074



28.9127, 43.2328, 51.0843

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.



7.9524, 13.2278, 57.5553



23.9715, 13.2278, 4.3074



4.8090, 13.2278, 13.8432

Square

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



23.9715, 13.2278, 4.3074



8.2078, 13.2278, 0.9211



5.5190, 13.2278, 33.9812



18.2619, 13.2278, 58.9951

Rectangle

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



23.9715, 13.2278, 4.3074



14.6697, 13.2278, 0.4042



5.5190, 13.2278, 33.9812



10.6855, 13.2278, 67.3902

Sweetspot

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



23.9718, 13.2286, 4.3076



70.8135, 63.8851, 62.7229



29.4176, 14.9515, 53.5595



14.5372, 12.7555, 12.2285



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.



23.9718, 13.2286, 4.3076



41.4926, 21.4496, 2.9869



27.6414, 20.9791, 4.2628



10.1082, 10.0919, 10.6601



14.7071, 7.5726, 1.1035



0.6479, 0.3322, 0.1132

Inverse Universe

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



23.9718, 13.2286, 4.3076



41.4926, 21.4496, 2.9869



18.9438, 20.8649, 55.2529



10.1082, 10.0919, 10.6601



14.7071, 7.5726, 1.1035



0.6479, 0.3322, 0.1132

Previews

White Background



This preview shows how the XYZ color 23.9715, 13.2278, 4.3074 looks on a white background.

Color Contrast Check

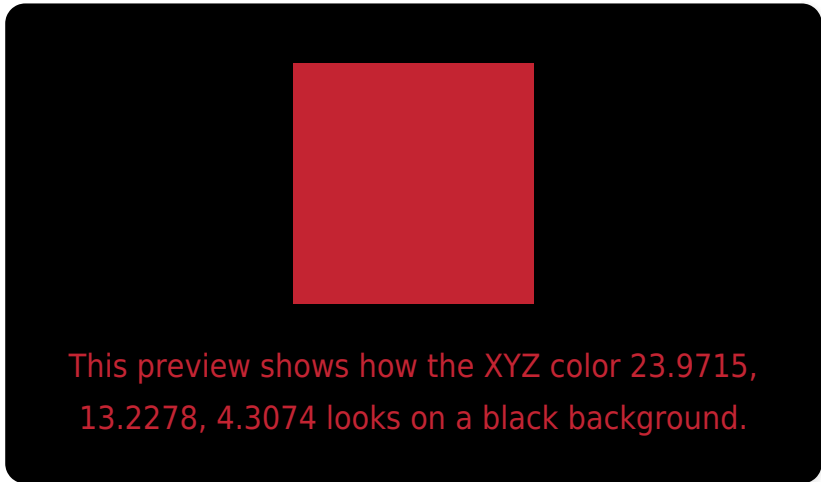
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9715, 13.2278, 4.3074

Background



This preview shows how black text looks on a background with the XYZ color 23.9715, 13.2278, 4.3074.



This preview shows how white text looks on a background with the XYZ color 23.9715, 13.2278,

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

23.9715, 13.2278, 4.3074

Protanopia

12.5431, 13.5349, 7.9126

Deuteranopia

13.6528, 13.4778, 3.8894



Tritanopia

23.8079, 13.2619, 3.1387

Trichromacy



Original Color

23.9715, 13.2278, 4.3074

Protanomaly

14.8485, 11.7016, 6.1787

Deuteranomaly

16.1076, 11.9863, 3.8475

Tritanomaly

23.8444, 13.2261, 3.4866

Monochromacy



Original Color

23.9715, 13.2278, 4.3074

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.6343, 8.8422, 7.2244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9715, 13.2278, 4.3074 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(196, 36, 50)` looks like.

```
.text, #text, p{  
    color:rgb(196, 36, 50)  
}
```

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(196, 36, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 36, 50) }
```

Border

The CSS property to change the border of an element to XYZ 23.9715, 13.2278, 4.3074 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(196, 36, 50) }
```


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

```
.border{ border-color:rgb(196, 36, 50) }
```

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

Here you see how a box with a 4 pixel rgb(196, 36, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 36, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 36, 50);  
box-shadow:4px 4px 4px 4px rgb(196, 36,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9715, 13.2278, 4.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 36, 50) }
```

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

```
.background{ background-color: rgb(196, 36,  
50) }
```

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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