

Converting Colors

XYZ(24.2491, 13.3709, 2.9420)

Have a look what the booklet for
XYZ(24.2491, 13.3709, 2.9420)
contains.

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Color

**XYZ(24.2082, 13.3352,
2.9671)**

Conversions

Conversions Part 1

Format	Color
Hex	C62324
RGB	198, 35, 36
RGB Percent	78%, 14%, 14%
CMY	0.2235, 0.8627, 0.8588
CMYK	0.00, 0.82, 0.82, 0.22
HSL	360°, 70%, 46%
HSV	360°, 82%, 78%
XYZ	24.2082, 13.3352, 2.9671
YIQ	83.8510, 96.8270, 34.8670

Conversions

Conversions Part 2

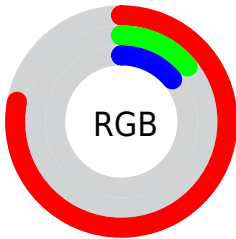
Format	Color
R_{YB}	198, 35, 36
Decimal	12985124
CIE Lab	43.26, 61.49, 41.99
CIE LCh	43, 74.464, 34.330
Yxy	13.3352, 0.5976, 0.3292
Android (android.graphics.Color)	4291175204 (0xFFC62324)
YUV	83.8510, -23.5905, 100.1087
Hunter-Lab	36.5174, 54.4262, 20.7448

Details

The XYZ color **24.2082, 13.3352, 2.9671** 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 **30.9673, 44.7774, 59.8425**, and the grayscale version is **8.4306, 8.8696, 9.6590**.

A 20% lighter version of the original color is **47.0377, 30.4186, 11.3749**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.5584, 12.3918, 1.6531**, and if you desaturate by 10%, it is **25.3520, 15.0029, 5.2602**.

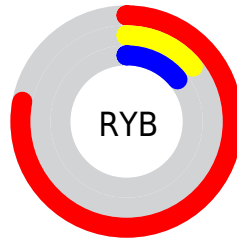
Distribution



Red (78%)

Green (14%)

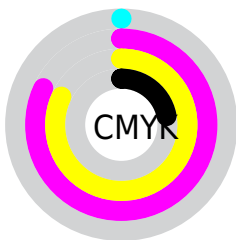
Blue (14%)



Red (78%)

Yellow (14%)

Blue (14%)

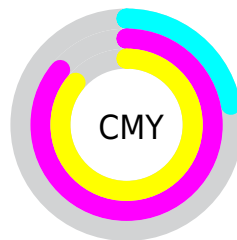


Cyan (0%)

Magenta (82%)

Yellow (82%)

Black (22%)



Cyan (22%)


Magenta (86%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2082, 13.3352, 2.9671 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 24.2082, 13.3352, 2.9671 by changing the saturation by 10% instead.


 24.2082, 13.3352,
2.9671


 24.2082, 13.3352,
2.9671


266.2924,
213.0549, 135.9405


 15.6137, 7.6598,
1.0779


 49.8219, 31.9047,
11.5471


 9.3403, 3.8780,
0.0000


 67.5719, 45.5675,
19.0750

 5.0227, 1.6056,
0.0000

 89.1044, 62.6616,
29.3195

 2.2955, 0.3613,
0.0000

 114.7848, 83.5714,
42.6992

 0.7924, 0.0000,
0.0000

 144.9784,
108.6812, 59.6326

 0.0000, 0.0000,
0.0000

 180.0507,

138.3755, 80.5383

220.3669,
173.0386, 105.8347

24.2082, 13.3352,
2.9671

24.2082, 13.3352,
2.9671

23.5584, 12.3918,
1.6531

25.3520, 15.0029,
5.2602

23.2951, 12.0083,
1.1244

27.0610, 17.4987,
8.6729

29.3957, 20.9121,
13.3234

32.4087, 25.3203,
19.3149

36.1469, 30.7925,
26.7398

■ 40.6532, 37.3916,
35.6823

■ 45.9671, 45.1759,
46.2200

■ 52.1254, 54.1993,
58.4254

■ 59.1627, 64.5126,
72.3664

Harmonies

Analogous

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



27.2511, 13.3352, 12.2525



24.2082, 13.3352, 2.9671



18.1080, 13.3352, 0.5229

Triad

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



24.2082, 13.3352, 2.9671



5.0794, 13.3352, 4.6529



13.5301, 13.3352, 74.7466

Complementary

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



24.2082, 13.3352, 2.9671



30.9673, 44.7774, 59.8425

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.



8.4540, 13.3352, 66.0379



24.2082, 13.3352, 2.9671



4.5236, 13.3352, 17.0508

Square

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



24.2082, 13.3352, 2.9671



7.3950, 13.3352, 0.9159



5.5480, 13.3352, 40.7877



20.0096, 13.3352, 59.6748

Rectangle

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



24.2082, 13.3352, 2.9671



13.8016, 13.3352, 0.0345



5.5480, 13.3352, 40.7877



11.6109, 13.3352, 74.5538

Sweetspot

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



24.2085, 13.3360, 2.9673



69.3994, 62.4204, 58.0482



33.3734, 16.9200, 54.9327



14.2437, 12.4663, 11.2130



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.



24.2085, 13.3360, 2.9673



41.2900, 21.3243, 2.0568



29.5859, 24.1146, 4.6865



10.6364, 10.6380, 11.0688



15.1507, 7.8098, 0.7373



0.7183, 0.3702, 0.0398

Inverse Universe

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



24.2085, 13.3360, 2.9673



41.2900, 21.3243, 2.0568



17.5101, 17.6817, 55.9158



10.6364, 10.6380, 11.0688



15.1507, 7.8098, 0.7373



0.7183, 0.3702, 0.0398

Previews

White Background



This preview shows how the XYZ color 24.2082, 13.3352, 2.9671 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 24.2082, 13.3352, 2.9671

Background



This preview shows how black text looks on a background with the XYZ color 24.2082, 13.3352, 2.9671.



This preview shows how white text looks on a background with the XYZ color 24.2082, 13.3352,

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

24.2082, 13.3352, 2.9671

Protanopia

12.4555, 13.5442, 5.4479

Deuteranopia

13.6999, 13.5317, 2.5516



Tritanopia

24.1785, 13.3233, 2.8107

Trichromacy



Original Color

24.2082, 13.3352, 2.9671

Protanomaly

14.9145, 11.6738, 4.1565

Deuteranomaly

16.2201, 12.0753, 2.4532

Tritanomaly

24.1931, 13.3292, 2.8878

Monochromacy



Original Color

24.2082, 13.3352, 2.9671

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.4188, 8.6617, 6.3802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2082, 13.3352, 2.9671 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(198, 35, 36)` looks like.

```
.text, #text, p{  
    color:rgb(198, 35, 36)  
}
```

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(198, 35, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 35, 36) }
```

Border

The CSS property to change the border of an element to XYZ 24.2082, 13.3352, 2.9671 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(198, 35, 36) }
```


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

```
.border{ border-color:rgb(198, 35, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 35, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 35, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 35, 36);  
box-shadow:4px 4px 4px 4px rgb(198, 35,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2082, 13.3352, 2.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 35, 36) }
```

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

```
.background{ background-color: rgb(198, 35,  
36) }
```

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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