

Converting Colors

XYZ(23.9151, 12.9348, 2.8824)

Have a look what the booklet for
XYZ(23.9151, 12.9348, 2.8824)
contains.

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Color

**XYZ(24.0465, 13.0119,
2.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	C61D24
RGB	198, 29, 36
RGB Percent	78%, 11%, 14%
CMY	0.2235, 0.8862, 0.8588
CMYK	0.00, 0.85, 0.82, 0.22
HSL	358°, 74%, 45%
HSV	358°, 85%, 78%
XYZ	24.0465, 13.0119, 2.9132
YIQ	80.3290, 98.4770, 38.0050

Conversions

Conversions Part 2

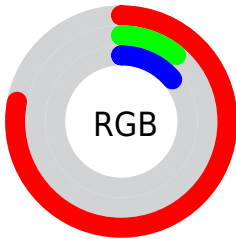
Format	Color
R_{YB}	198, 29, 36
Decimal	12983588
CIE _{Lab}	42.78, 62.87, 41.53
CIE _{LCh}	43, 75.345, 33.448
Yxy	13.0119, 0.6016, 0.3255
Android (android.graphics.Color)	4291173668 (0xFFC61D24)
YUV	80.3290, -21.8542, 103.1975
Hunter-Lab	36.0720, 55.8665, 20.4621

Details

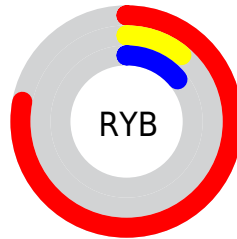
The XYZ color **24.0465, 13.0119, 2.9132** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **30.1071, 44.4117, 56.2862**, and the grayscale version is **7.7189, 8.1209, 8.8436**.

A 20% lighter version of the original color is **46.7657, 29.8746, 11.2842**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.4899, 12.2463, 1.6568**, and if you desaturate by 10%, it is **25.0684, 14.4629, 5.0825**.

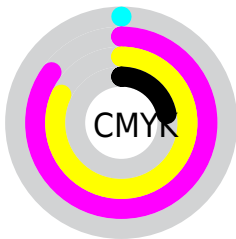
Distribution



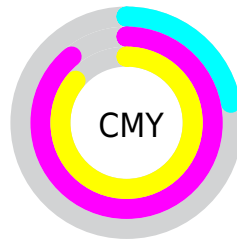
- Red (78%)
- Green (11%)
- Blue (14%)



- Red (78%)
- Yellow (11%)
- Blue (14%)



- Cyan (0%)
- Magenta (85%)
- Yellow (82%)
- Black (22%)





- Cyan (22%)
- Magenta (89%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0465, 13.0119, 2.9132 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 24.0465, 13.0119, 2.9132 by changing the saturation by 10% instead.


 24.0465, 13.0119,
2.9132


 24.0465, 13.0119,
2.9132


265.4916,
210.9939, 135.2473


 15.4930, 7.4367,
1.0505


 49.5602, 31.3252,
11.4135


 9.2547, 3.7367,
0.0000


 67.2511, 44.8321,
18.8881

 4.9661, 1.5274,
0.0000

 88.7186, 61.7516,
29.0705

 2.2620, 0.3079,
0.0000

 114.3280, 82.4683,
42.3792

 0.7751, 0.0000,
0.0000

 144.4446,
107.3665, 59.2327

 0.0000, 0.0000,
0.0000

 179.4339,

136.8306, 80.0495

219.6611,
171.2449, 105.2482

24.0465, 13.0119,
2.9132

24.0465, 13.0119,
2.9132

23.4899, 12.2463,
1.6568

25.0684, 14.4629,
5.0825

23.3333, 12.0236,
1.3259

26.6281, 16.7091,
8.2940

28.7861, 19.8435,
12.6564

31.5948, 23.9453,
18.2649

35.1008, 29.0852,
25.2047

■ 39.3463, 35.3272,
33.5536

■ 44.3704, 42.7302,
43.3832

■ 50.2093, 51.3488,
54.7604

■ 56.8970, 61.2343,
67.7481

Harmonies

Analogous

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



26.9732, 13.0119, 12.3509



24.0465, 13.0119, 2.9132



17.9840, 13.0119, 0.4448

Triad

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



24.0465, 13.0119, 2.9132



4.8905, 13.0119, 4.2170



13.0430, 13.0119, 74.9049

Complementary

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



24.0465, 13.0119, 2.9132



30.1071, 44.4117, 56.2862

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.



8.0620, 13.0119, 65.3976



24.0465, 13.0119, 2.9132



4.2998, 13.0119, 16.1545

Square

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



24.0465, 13.0119, 2.9132



7.2284, 13.0119, 0.7617



5.2568, 13.0119, 39.6957



19.5000, 13.0119, 60.2690

Rectangle

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



24.0465, 13.0119, 2.9132



13.6695, 13.0119, 0.0000



5.2568, 13.0119, 39.6957



11.1507, 13.0119, 74.4531

Sweetspot

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



24.0468, 13.0127, 2.9134



68.8255, 61.3072, 57.7499



31.7558, 15.8462, 54.8105



14.1435, 12.2574, 11.2060



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.



24.0468, 13.0127, 2.9134



41.2977, 21.2831, 2.2341



28.5682, 22.2099, 3.9449



10.6513, 10.6439, 11.1472



15.1822, 7.8224, 0.9033



0.7252, 0.3729, 0.0761

Inverse Universe

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



24.0468, 13.0127, 2.9134



41.2977, 21.2831, 2.2341



17.6546, 18.2475, 56.0172



10.6513, 10.6439, 11.1472



15.1822, 7.8224, 0.9033



0.7252, 0.3729, 0.0761

Previews

White Background



This preview shows how the XYZ color 24.0465, 13.0119, 2.9132 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 24.0465, 13.0119, 2.9132 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 24.0465, 13.0119, 2.9132

Background



This preview shows how black text looks on a background with the XYZ color 24.0465, 13.0119, 2.9132.



This preview shows how white text looks on a background with the XYZ color 24.0465, 13.0119,

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

24.0465, 13.0119, 2.9132

Protanopia

12.2510, 13.2893, 5.5338

Deuteranopia

13.4455, 13.2635, 2.4676



Tritanopia

23.9626, 13.0182, 2.3484

Trichromacy



Original Color

24.0465, 13.0119, 2.9132

Protanomaly

14.5512, 11.1748, 4.1863

Deuteranomaly

15.8193, 11.5749, 2.3201

Tritanomaly

24.0003, 13.0332, 2.5470

Monochromacy



Original Color

24.0465, 13.0119, 2.9132

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.7625, 7.9186, 5.8117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0465, 13.0119, 2.9132 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, 29, 36)` looks like.

```
.text, #text, p{  
    color:rgb(198, 29, 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, 29, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 29, 36) }
```

Border

The CSS property to change the border of an element to XYZ 24.0465, 13.0119, 2.9132 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, 29, 36) }
```


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

```
.border{ border-color:rgb(198, 29, 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, 29, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 29, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 29, 36);  
box-shadow:4px 4px 4px 4px rgb(198, 29,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0465, 13.0119, 2.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 29, 36) }
```

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

```
.background{ background-color: rgb(198, 29,  
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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