

Converting Colors

XYZ(23.7999, 12.5414, 2.3344)

Have a look what the booklet for
XYZ(23.7999, 12.5414, 2.3344)
contains.

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Color

**XYZ(23.7109, 12.4954,
2.3245)**

Conversions

Conversions Part 1

Format	Color
Hex	C6111D
RGB	198, 17, 29
RGB Percent	78%, 7%, 11%
CMY	0.2235, 0.9332, 0.8863
CMYK	0.00, 0.91, 0.85, 0.22
HSL	356°, 84%, 42%
HSV	356°, 91%, 78%
XYZ	23.7109, 12.4954, 2.3245
YIQ	72.4870, 104.0240, 42.1040

Conversions

Conversions Part 2

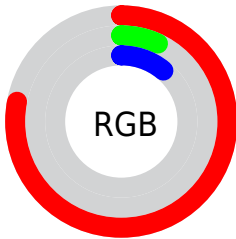
Format	Color
RYB	198, 17, 29
Decimal	12980509
CIELab	41.99, 64.79, 44.51
CIElCh	42, 78.600, 34.488
Yxy	12.4954, 0.6154, 0.3243
Android (android.graphics.Color)	4291170589 (0xFFC6111D)
YUV	72.4870, -21.4391, 110.0749
Hunter-Lab	35.3488, 57.8718, 20.8453

Details

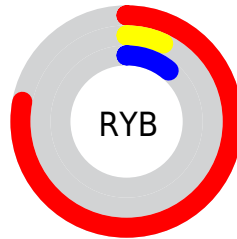
The XYZ color **23.7109, 12.4954, 2.3245** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **29.2917, 44.0537, 53.4302**, and the grayscale version is **6.2697, 6.5962, 7.1832**.

A 20% lighter version of the original color is **46.0824, 28.9128, 9.8085**, and **9.8315, 5.0683, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **23.3617, 12.0350, 1.4757**, and if you desaturate by 10%, it is **24.4678, 13.5275, 4.0629**.

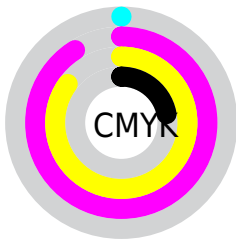
Distribution



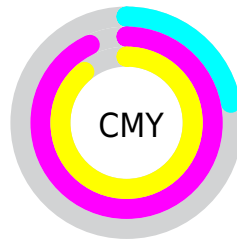
- Red (78%)
- Green (7%)
- Blue (11%)



- Red (78%)
- Yellow (7%)
- Blue (11%)



- Cyan (0%)
- Magenta (91%)
- Yellow (85%)
- Black (22%)





- Cyan (22%)
- Magenta (93%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7109, 12.4954, 2.3245 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 23.7109, 12.4954, 2.3245 by changing the saturation by 10% instead.


 23.7109, 12.4954,
2.3245


 23.7109, 12.4954,
2.3245


263.8233,
207.6579, 127.2280


 15.2429, 7.0820,
0.7449


 49.0161, 30.3942,
9.9104


 9.0774, 3.5134,
0.0000


 66.5841, 43.6484,
16.7699


 4.8492, 1.4053,
0.0000

 87.9160, 60.2851,
26.2319

 2.1929, 0.2206,
0.0000

 113.3773, 80.6885,
38.7150


 0.7390, 0.0000,
0.0000


 143.3333,
105.2431, 54.6375


 0.0000, 0.0000,
0.0000


 178.1494,


134.3332, 74.4182


 218.1910,
168.3434, 98.4755


 23.7109, 12.4954,
2.3245

 23.7109, 12.4954,
2.3245


 23.3617, 12.0350,
1.4757

 24.4678, 13.5275,
4.0629

 25.7162, 15.2886,
6.7468

 27.5214, 17.8815,
10.4854

 29.9386, 21.3919,
15.3728

 33.0162, 25.8949,
21.4927

■ 36.7980, 31.4578,
28.9209

■ 41.3237, 38.1420,
37.7272

■ 46.6302, 46.0043,
47.9764

■ 52.7521, 55.0976,
59.7292

Harmonies

Analogous

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



26.9125, 12.4954, 11.2461



23.7109, 12.4954, 2.3245



17.3848, 12.4954, 0.1025

Triad

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



23.7109, 12.4954, 2.3245



4.3634, 12.4954, 3.9368



12.7748, 12.4954, 77.2088

Complementary

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



23.7109, 12.4954, 2.3245



29.2917, 44.0537, 53.4302

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.



7.6752, 12.4954, 67.9638



23.7109, 12.4954, 2.3245



3.8429, 12.4954, 16.2734

Square

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



23.7109, 12.4954, 2.3245



6.5953, 12.4954, 0.5324



4.8287, 12.4954, 41.0595



19.4166, 12.4954, 60.8884

Rectangle

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



23.7109, 12.4954, 2.3245



12.9855, 12.4954, 0.0000



4.8287, 12.4954, 41.0595



10.8325, 12.4954, 77.0498

Sweetspot

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



23.7112, 12.4962, 2.3247



68.2019, 60.1896, 57.1426



30.6277, 14.9099, 54.6892



14.0310, 12.0464, 11.1249



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.



23.7112, 12.4962, 2.3247



41.3401, 21.3001, 2.4573



27.5228, 20.3120, 3.0015



10.6618, 10.6481, 11.2026



15.2045, 7.8313, 1.0206



0.7301, 0.3749, 0.1017

Inverse Universe

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



23.7112, 12.4962, 2.3247



41.3401, 21.3001, 2.4573



17.0906, 17.5286, 55.9082



10.6618, 10.6481, 11.2026



15.2045, 7.8313, 1.0206



0.7301, 0.3749, 0.1017

Previews

White Background



This preview shows how the XYZ color 23.7109, 12.4954, 2.3245 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 23.7109, 12.4954, 2.3245

Background



This preview shows how black text looks on a background with the XYZ color 23.7109, 12.4954, 2.3245.



This preview shows how white text looks on a background with the XYZ color 23.7109, 12.4954,

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

23.7109, 12.4954, 2.3245

Protanopia

11.8489, 12.9573, 4.5658

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

23.6052, 12.5326, 1.5227

Trichromacy



Original Color

23.7109, 12.4954, 2.3245

Protanomaly

13.9009, 10.3732, 3.2770

Deuteranomaly

15.2044, 10.8108, 1.6019

Tritanomaly

23.6308, 12.5152, 1.7425

Monochromacy



Original Color

23.7109, 12.4954, 2.3245

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.4828, 6.6932, 4.6630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7109, 12.4954, 2.3245 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, 17, 29)` looks like.

```
.text, #text, p{  
    color:rgb(198, 17, 29)  
}
```

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, 17, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 17, 29) }
```

Border

The CSS property to change the border of an element to XYZ 23.7109, 12.4954, 2.3245 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, 17, 29) }
```


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

```
.border{ border-color:rgb(198, 17, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 17, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 17, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 17, 29);  
box-shadow:4px 4px 4px 4px rgb(198, 17,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7109, 12.4954, 2.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 17, 29) }
```

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

```
.background{ background-color: rgb(198, 17,  
29) }
```

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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