

Converting Colors

XYZ(23.1855, 13.0834, 3.4012)

Have a look what the booklet for
XYZ(23.1855, 13.0834, 3.4012)
contains.

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Color

**XYZ(23.1855, 13.0834,
3.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	C12929
RGB	193, 41, 41
RGB Percent	76%, 16%, 16%
CMY	0.2431, 0.8392, 0.8392
CMYK	0.00, 0.79, 0.79, 0.24
HSL	0°, 65%, 46%
HSV	0°, 79%, 76%
XYZ	23.1855, 13.0834, 3.4012
YIQ	86.4480, 90.5920, 32.2240

Conversions

Conversions Part 2

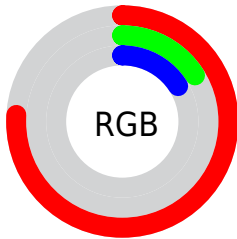
Format	Color
RYB	193, 41, 41
Decimal	12658985
CIELab	42.89, 58.58, 38.54
CIElCh	43, 70.126, 33.343
Yxy	13.0834, 0.5845, 0.3298
Android (android.graphics.Color)	4290849065 (0xFFC12929)
YUV	86.4480, -22.4059, 93.4461
Hunter-Lab	36.1710, 51.1188, 19.7446

Details

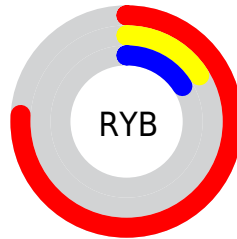
The XYZ color **23.1855, 13.0834, 3.4012** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **29.6075, 42.4564, 57.0862**, and the grayscale version is **8.9746, 9.4420, 10.2824**.

A 20% lighter version of the original color is **47.5175, 31.0625, 12.5080**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.4156, 11.9571, 1.8705**, and if you desaturate by 10%, it is **24.4479, 14.9312, 5.9103**.

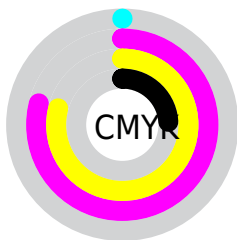
Distribution



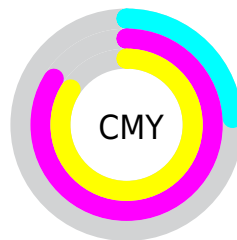
- Red (76%)
- Green (16%)
- Blue (16%)



- Red (76%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (24%)





- Cyan (24%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1855, 13.0834, 3.4012 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 23.1855, 13.0834, 3.4012 by changing the saturation by 10% instead.


 23.1855, 13.0834,
3.4012


 23.1855, 13.0834,
3.4012


261.1939,
211.4515, 141.3171


 14.8520, 7.4860,
1.3030


 48.1622, 31.4535,
12.6033


 8.8012, 3.7679,
0.0642


 65.5360, 44.9951,
20.5443


 4.6678, 1.5446,
0.0000

 86.6540, 61.9534,
31.2700

 2.0864, 0.3198,
0.0000

 111.8816, 82.7130,
45.1988

 0.6818, 0.0000,
0.0000

 141.5839,
107.6582, 62.7494

 0.0000, 0.0000,
0.0000

 176.1266,

137.1734, 84.3403

215.8748,
171.6430, 110.3900

■ 23.1855, 13.0834,
3.4012

■ 23.1855, 13.0834,
3.4012

■ 22.4156, 11.9571,
1.8705

■ 24.4479, 14.9312,
5.9103

■ 22.0315, 11.3951,
1.1072

■ 26.2656, 17.5909,
9.5234

■ 21.9923, 11.3377,
1.0293

■ 28.6927, 21.1425,
14.3482

■ 31.7769, 25.6557,
20.4794

■ 35.5611, 31.1931,
28.0023

■ 40.0847, 37.8123,
36.9950

■ 45.3839, 45.5666,
47.5298

■ 51.4928, 54.5055,
59.6742

■ 58.4433, 64.6760,
73.4918

Harmonies

Analogous

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



25.8230, 13.0834, 12.5927



23.1855, 13.0834, 3.4012



17.6562, 13.0834, 0.7882

Triad

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



23.1855, 13.0834, 3.4012



5.3114, 13.0834, 4.6824



13.0461, 13.0834, 68.7000

Complementary

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



23.1855, 13.0834, 3.4012



29.6075, 42.4564, 57.0862

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.



8.3608, 13.0834, 60.2592



23.1855, 13.0834, 3.4012



4.7232, 13.0834, 16.0371

Square

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



23.1855, 13.0834, 3.4012



7.5871, 13.0834, 1.0783



5.6596, 13.0834, 37.4084



19.0042, 13.0834, 55.8684

Rectangle

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



23.1855, 13.0834, 3.4012



13.6689, 13.0834, 0.3001



5.6596, 13.0834, 37.4084



11.2784, 13.0834, 68.2762

Sweetspot

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



23.1858, 13.0842, 3.4014



67.0724, 60.8158, 56.8752



32.4107, 16.7736, 51.9811



13.7902, 12.1705, 11.0108



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1858, 13.0842, 3.4014



39.5957, 20.6088, 2.2549



28.7537, 24.2201, 5.2574



10.0733, 10.0780, 10.4762



14.6276, 7.5410, 0.6846



0.6320, 0.3259, 0.0296

Inverse Universe

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



29.6075, 42.4564, 57.0862



51.5474, 75.2759, 102.1732



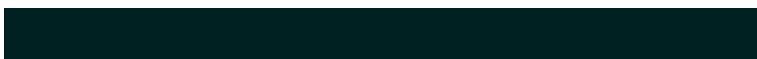
16.9014, 17.0443, 52.8508



10.3685, 11.4284, 12.9442



19.0839, 27.9244, 37.9407



0.8246, 1.2066, 1.6393

Previews

White Background



This preview shows how the XYZ color 23.1855, 13.0834, 3.4012 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 23.1855, 13.0834, 3.4012

Background



This preview shows how black text looks on a background with the XYZ color 23.1855, 13.0834, 3.4012.



This preview shows how white text looks on a background with the XYZ color 23.1855, 13.0834,

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

23.1855, 13.0834, 3.4012

Protanopia

12.2229, 13.2633, 6.0535

Deuteranopia

13.3986, 13.2273, 3.0093



Tritanopia

23.1855, 13.0834, 3.4012

Trichromacy



Original Color

23.1855, 13.0834, 3.4012

Protanomaly

14.4730, 11.6480, 4.7343

Deuteranomaly

15.8773, 12.0930, 2.9362

Tritanomaly

23.1855, 13.0834, 3.4012

Monochromacy



Original Color

23.1855, 13.0834, 3.4012

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.7531, 9.1825, 6.9473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1855, 13.0834, 3.4012 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(193, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(193, 41, 41)  
}
```

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(193, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 41, 41) }
```

Border

The CSS property to change the border of an element to XYZ 23.1855, 13.0834, 3.4012 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(193, 41, 41) }
```


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

```
.border{ border-color:rgb(193, 41, 41) }
```

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

Here you see how a box with a 4 pixel rgb(193, 41, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(193, 41,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1855, 13.0834, 3.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 41, 41) }
```

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

```
.background{ background-color: rgb(193, 41,  
41) }
```

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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