

Converting Colors

XYZ(23.4193, 13.6639, 3.5535)

Have a look what the booklet for
XYZ(23.4193, 13.6639, 3.5535)
contains.

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Color

**XYZ(23.5085, 13.7012,
3.5961)**

Conversions

Conversions Part 1

Format	Color
Hex	C1312A
RGB	193, 49, 42
RGB Percent	76%, 19%, 16%
CMY	0.2431, 0.8078, 0.8353
CMYK	0.00, 0.75, 0.78, 0.24
HSL	3°, 64%, 46%
HSV	3°, 78%, 76%
XYZ	23.5085, 13.7012, 3.5961
YIQ	91.2580, 88.0710, 28.3510

Conversions

Conversions Part 2

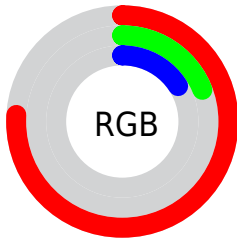
Format	Color
R_{YB}	193, 49, 42
Decimal	12661034
CIE _{Lab}	43.80, 56.09, 38.94
CIE _{LCh}	44, 68.283, 34.767
Yxy	13.7012, 0.5761, 0.3358
Android (android.graphics.Color)	4290851114 (0xFFC1312A)
YUV	91.2580, -24.2842, 89.2277
Hunter-Lab	37.0151, 48.5898, 20.1504

Details

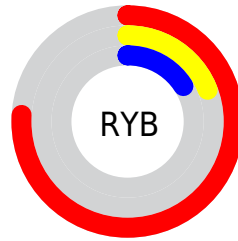
The XYZ color **23.5085, 13.7012, 3.5961** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **28.1372, 39.4561, 56.5844**, and the grayscale version is **10.0432, 10.5662, 11.5066**.

A 20% lighter version of the original color is **48.1972, 32.2893, 13.1434**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.6236, 12.3576, 1.9879**, and if you desaturate by 10%, it is **24.8744, 15.7413, 6.1849**.

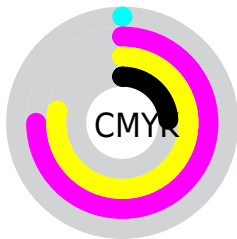
Distribution



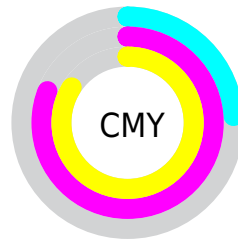
- Red (76%)
- Green (19%)
- Blue (16%)



- Red (76%)
- Yellow (19%)
- Blue (16%)



- Cyan (0%)
- Magenta (75%)
- Yellow (78%)
- Black (24%)





- Cyan (24%)
- Magenta (81%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5085, 13.7012, 3.5961 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 23.5085, 13.7012, 3.5961 by changing the saturation by 10% instead.


 23.5085, 13.7012,
3.5961


 23.5085, 13.7012,
3.5961


262.8129,
215.3640, 143.6243


 15.0922, 7.9131,
1.4065


 48.6875, 32.5579,
13.0670


 8.9708, 4.0394,
0.1468


 66.1809, 46.3953,
21.1853

 4.7791, 1.6956,
0.0000

 87.4306, 63.6847,
32.1170

 2.1517, 0.4208,
0.0000

 112.8022, 84.8104,
46.2806

 0.7171, 0.0000,
0.0000

 142.6608,
110.1567, 64.0945

 0.0000, 0.0000,
0.0000

 177.3719,

140.1082, 85.9774

217.3008,
175.0491, 112.3478

■ 23.5085, 13.7012,
3.5961

■ 23.5085, 13.7012,
3.5961

■ 22.6236, 12.3576,
1.9879

■ 24.8744, 15.7413,
6.1849

■ 22.1447, 11.6127,
1.1720

■ 26.7757, 18.5521,
9.8760

■ 22.0894, 11.5318,
1.0616

■ 29.2603, 22.2010,
14.7745

■ 32.3707, 26.7475,
20.9728

■ 36.1453, 32.2456,
28.5543

■ 40.6195, 38.7451,
37.5956

■ 45.8263, 46.2923,
48.1676

■ 51.7963, 54.9306,
60.3366

■ 58.5587, 64.7009,
74.1651

Harmonies

Analogous

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



26.2982, 13.7012, 12.5883



23.5085, 13.7012, 3.5961



17.9515, 13.7012, 0.9615

Triad

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



23.5085, 13.7012, 3.5961



5.7250, 13.7012, 5.5145



13.9017, 13.7012, 68.2368

Complementary

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



23.5085, 13.7012, 3.5961



28.1372, 39.4561, 56.5844

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.



9.0902, 13.7012, 60.9984



23.5085, 13.7012, 3.5961



5.1922, 13.7012, 17.5194

Square

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



23.5085, 13.7012, 3.5961



7.9677, 13.7012, 1.4142



6.2368, 13.7012, 39.0060



19.8604, 13.7012, 54.9146

Rectangle

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



23.5085, 13.7012, 3.5961



13.9895, 13.7012, 0.5258



6.2368, 13.7012, 39.0060



12.1013, 13.7012, 68.1789

Sweetspot

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



23.5088, 13.7020, 3.5963



68.4854, 63.2011, 58.7047



31.8935, 16.6227, 49.0852



14.0856, 12.6769, 11.3693



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.



23.5088, 13.7020, 3.5963



39.8418, 21.0743, 2.4196



29.4353, 25.5550, 5.5718



10.1099, 10.1512, 10.4884



14.7084, 7.7026, 0.7115



0.6487, 0.3592, 0.0351

Inverse Universe

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



28.1372, 39.4561, 56.5844



48.3018, 68.7279, 101.0803



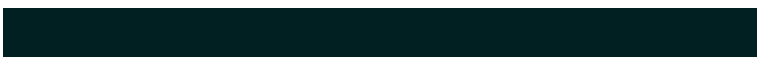
16.4263, 16.0341, 52.6807



10.3272, 11.3457, 12.9305



17.8250, 25.4065, 37.5211



0.7827, 1.1229, 1.6254

Previews

White Background



This preview shows how the XYZ color 23.5085, 13.7012, 3.5961 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 23.5085, 13.7012, 3.5961

Background



This preview shows how black text looks on a background with the XYZ color 23.5085, 13.7012, 3.5961.



This preview shows how white text looks on a background with the XYZ color 23.5085, 13.7012,

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

23.5085, 13.7012, 3.5961

Protanopia

12.8855, 14.0535, 6.0364

Deuteranopia

14.0692, 13.8479, 3.2277



Tritanopia

23.6036, 13.6731, 4.3009

Trichromacy



Original Color

23.5085, 13.7012, 3.5961

Protanomaly

15.1960, 12.5846, 4.8770

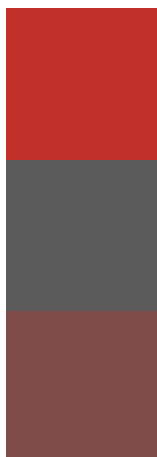
Deuteranomaly

16.5722, 12.8762, 3.2020

Tritanomaly

23.5424, 13.6486, 3.9784

Monochromacy



Original Color

23.5085, 13.7012, 3.5961

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.6891, 10.2391, 7.6109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5085, 13.7012, 3.5961 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, 49, 42)` looks like.

```
.text, #text, p{  
    color:rgb(193, 49, 42)  
}
```

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, 49, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 49, 42) }
```

Border

The CSS property to change the border of an element to XYZ 23.5085, 13.7012, 3.5961 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, 49, 42) }
```


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

```
.border{ border-color:rgb(193, 49, 42) }
```

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

Here you see how a box with a 4 pixel rgb(193, 49, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 49, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 49, 42);  
box-shadow:4px 4px 4px 4px rgb(193, 49,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5085, 13.7012, 3.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 49, 42) }
```

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

```
.background{ background-color: rgb(193, 49,  
42) }
```

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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