

Converting Colors

XYZ(23.3341, 13.4305, 0.0000)

Have a look what the booklet for
XYZ(23.3341, 13.4305, 0.0000)
contains.

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Color

**XYZ(23.7033, 13.6125,
1.3782)**

Conversions

Conversions Part 1

Format	Color
Hex	C42D00
RGB	196, 45, 0
RGB Percent	77%, 18%, 0%
CMY	0.2314, 0.8235, 1.0000
CMYK	0.00, 0.77, 1.00, 0.23
HSL	14°, 100%, 38%
HSV	14°, 100%, 77%
XYZ	23.7033, 13.6125, 1.3782
YIQ	85.0190, 104.4410, 18.0170

Conversions

Conversions Part 2

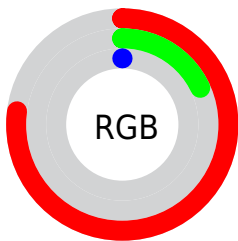
Format	Color
RYB	196, 58, 0
Decimal	12856576
CIELab	43.67, 57.51, 56.27
CIELCh	44, 80.465, 44.374
Yxy	13.6125, 0.6126, 0.3518
Android (android.graphics.Color)	4291046656 (0xFFC42D00)
YUV	85.0190, -41.9144, 97.3303
Hunter-Lab	36.8951, 50.1110, 23.6118

Details

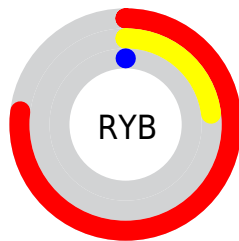
The XYZ color **23.7033, 13.6125, 1.3782** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.0287, 26.1155, 56.1565**, and the grayscale version is **8.7094, 9.1630, 9.9785**.

A 20% lighter version of the original color is **46.7798, 31.2363, 7.1781**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **23.7035, 13.6132, 1.3783**, and if you desaturate by 10%, it is **24.5092, 15.0281, 2.2524**.

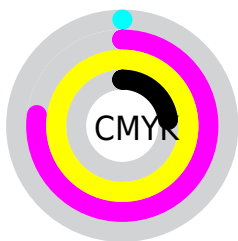
Distribution



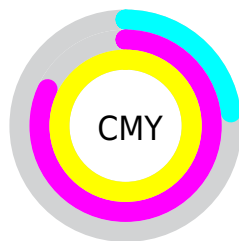
- Red (77%)
- Green (18%)
- Blue (0%)



- Red (77%)
- Yellow (23%)
- Blue (0%)



- Cyan (0%)
- Magenta (77%)
- Yellow (100%)
- Black (23%)





- Cyan (23%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7033, 13.6125, 1.3782 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 23.7033, 13.6125, 1.3782 by changing the saturation by 10% instead.


 23.7033, 13.6125,
1.3782


 23.7033, 13.6125,
1.3782


 263.7854,
214.8067, 111.8204


 15.2372, 7.8517,
0.1246


 49.0038, 32.3999,
7.2580


 9.0734, 4.0002,
0.0000


 66.5689, 46.1952,
12.9415

 4.8466, 1.6737,
0.0000

 87.8978, 63.4374,
21.0121

 2.1914, 0.4065,
0.0000

 113.3557, 84.5110,
31.8883


 0.7382, 0.0000,
0.0000


 143.3081,
109.8003, 45.9887


 0.0000, 0.0000,
0.0000


 178.1203,


139.6898, 63.7319


 218.1576,
174.5638, 85.5362


 23.7033, 13.6125,
1.3782


 23.7033, 13.6125,
1.3782

 23.7035, 13.6132,
1.3783

 24.5092, 15.0281,
2.2524

 25.6646, 16.9441,
3.8550

 27.2313, 19.4139,
6.4229

 29.2475, 22.4779,
10.0807

 31.7470, 26.1727,
14.9344

■ 34.7598, 30.5316,
21.0770

■ 38.3137, 35.5858,
28.5924

■ 42.4341, 41.3642,
37.5573

■ 47.1451, 47.8942,
48.0428

Harmonies

Analogous

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



28.6257, 13.6125, 7.7560



23.7033, 13.6125, 1.3782



16.4923, 13.6125, 0.0000

Triad

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



23.7033, 13.6125, 1.3782



4.4136, 13.6125, 7.2894



16.1930, 13.6125, 80.4767

Complementary

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



23.7033, 13.6125, 1.3782



21.0287, 26.1155, 56.1565

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.



9.9355, 13.6125, 79.8711



23.7033, 13.6125, 1.3782



4.3801, 13.6125, 25.2400

Square

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



23.7033, 13.6125, 1.3782



6.1687, 13.6125, 1.2709



6.0550, 13.6125, 54.8699



23.4237, 13.6125, 56.1648

Rectangle

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



23.7033, 13.6125, 1.3782



12.0340, 13.6125, 0.0000



6.0550, 13.6125, 54.8699



13.8867, 13.6125, 83.5657

Sweetspot

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



23.7036, 13.6133, 1.3784



69.0814, 64.0049, 51.0964



28.5587, 14.0533, 31.5758



14.1742, 12.8323, 9.6329



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.



23.7036, 13.6133, 1.3784



42.7814, 24.3428, 2.4438



32.2112, 30.6285, 4.2143



10.2567, 10.4449, 10.5373



15.2857, 8.8572, 0.9040



0.7146, 0.4911, 0.0571

Inverse Universe

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



21.0287, 26.1155, 56.1565



37.8895, 46.8991, 101.6632



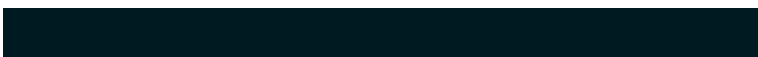
11.3555, 6.7690, 52.9321



10.1661, 11.0235, 12.8768



13.5795, 16.9156, 36.1059



0.6358, 0.8291, 1.5764

Previews

White Background



This preview shows how the XYZ color 23.7033, 13.6125, 1.3782 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 23.7033, 13.6125, 1.3782

Background



This preview shows how black text looks on a background with the XYZ color 23.7033, 13.6125, 1.3782.



This preview shows how white text looks on a background with the XYZ color 23.7033, 13.6125,

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

23.7033, 13.6125, 1.3782

Protanopia

12.5423, 13.9469, 2.8416

Deuteranopia

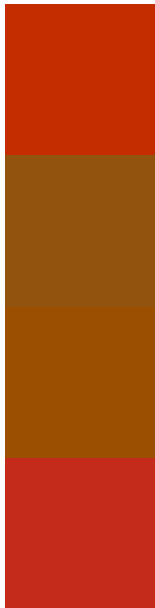
13.8219, 13.7490, 1.9253



Tritanopia

24.0290, 13.5661, 3.6376

Trichromacy



Original Color

23.7033, 13.6125, 1.3782

Protanomaly

15.0335, 12.3320, 2.0399

Deuteranomaly

16.3136, 12.5605, 1.5646

Tritanomaly

23.8267, 13.5426, 2.3951

Monochromacy



Original Color

23.7033, 13.6125, 1.3782

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.3135, 9.0066, 4.6322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7033, 13.6125, 1.3782 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(196, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 45, 0)  
}
```

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(196, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 45, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.7033, 13.6125, 1.3782 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(196, 45, 0) }
```


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

```
.border{ border-color:rgb(196, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7033, 13.6125, 1.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 45, 0) }
```

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

```
.background{ background-color: rgb(196, 45,  
0) }
```

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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