

Converting Colors

XYZ(33.9738, 23.6183, 4.3530)

Have a look what the booklet for
XYZ(33.9738, 23.6183, 4.3530)
contains.

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Color

**XYZ(33.9108, 23.5214,
4.3429)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5F23
RGB	220, 95, 35
RGB Percent	86%, 37%, 14%
CMY	0.1373, 0.6274, 0.8627
CMYK	0.00, 0.57, 0.84, 0.14
HSL	19°, 73%, 50%
HSV	19°, 84%, 86%
XYZ	33.9108, 23.5214, 4.3429
YIQ	125.5350, 93.7600, 7.8400

Conversions

Conversions Part 2

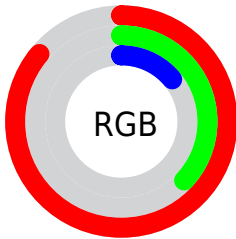
Format	Color
R _Y B	220, 124, 35
Decimal	14442275
CIE Lab	55.61, 45.98, 55.12
CIE LCh	56, 71.784, 50.167
Yxy	23.5214, 0.5489, 0.3808
Android (android.graphics.Color)	4292632355 (0xFFDC5F23)
YUV	125.5350, -44.6338, 82.8458
Hunter-Lab	48.4989, 39.9356, 28.6400

Details

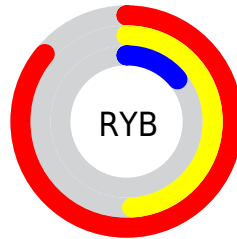
The XYZ color **33.9108, 23.5214, 4.3429** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **26.1811, 30.6641, 72.2486**, and the grayscale version is **19.7985, 20.8296, 22.6834**.

A 20% lighter version of the original color is **53.6672, 43.4268, 14.3577**, and **14.7326, 8.8240, 0.9267** is the 20% darker color. If you saturate the color by 10%, you get **32.4669, 21.0030, 2.7236**, and if you desaturate by 10%, it is **35.8157, 26.6352, 7.1246**.

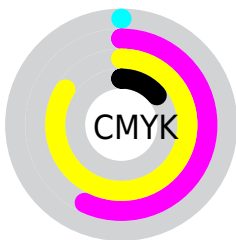
Distribution



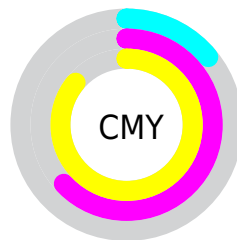
- Red (86%)
- Green (37%)
- Blue (14%)



- Red (86%)
- Yellow (49%)
- Blue (14%)



- Cyan (0%)
- Magenta (57%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (63%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9108, 23.5214, 4.3429 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 33.9108, 23.5214, 4.3429 by changing the saturation by 10% instead.


 33.9108, 23.5214,
4.3429


 33.9108, 23.5214,
4.3429


311.3270,
270.3918, 151.9637


 22.9876, 14.9790,
1.8153


 65.1401, 49.2481,
14.7932

 14.7050, 8.8046,
0.4380


 86.1770, 67.2011,
23.5529

 8.6976, 4.6140,
0.0000


 111.3159, 89.0598,
35.2271

 4.6000, 2.0226,
0.0000

 140.9221,
115.2085, 50.2343

 2.0469, 0.6206,
0.0000

 175.3609,
146.0317, 68.9930

 0.6601, 0.0000,
0.0000

 214.9978,

 0.0000, 0.0000,

181.9137, 91.9217

0.0000

260.1981,
223.2389, 119.4391

■ 33.9108, 23.5214,
4.3429

■ 33.9108, 23.5214,
4.3429

■ 32.4669, 21.0030,
2.7236

■ 35.8157, 26.6352,
7.1246

■ 31.7911, 19.7678,
2.1400


■ 38.2266, 30.3805,
11.2468


■ 41.1838, 34.7946,
16.8578


■ 44.7226, 39.9103,
24.0858

■ 48.8750, 45.7581,
33.0450

 53.6706, 52.3664,
43.8390

 59.1368, 59.7624,
56.5635

 65.2994, 67.9715,
71.3072

 72.1828, 77.0181,
88.1535

Harmonies

Analogous

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



40.4283, 23.5214, 13.0904



33.9108, 23.5214, 4.3429



25.1276, 23.5214, 1.9953

Triad

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



33.9108, 23.5214, 4.3429



10.2398, 23.5214, 18.7139



28.1768, 23.5214, 94.5980

Complementary

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



33.9108, 23.5214, 4.3429



26.1811, 30.6641, 72.2486

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.



19.7968, 23.5214, 99.6619



33.9108, 23.5214, 4.3429



10.6780, 23.5214, 44.3058

Square

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



33.9108, 23.5214, 4.3429



12.3899, 23.5214, 6.3295



13.7791, 23.5214, 77.5135



36.6016, 23.5214, 66.2081

Rectangle

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



33.9108, 23.5214, 4.3429



19.7145, 23.5214, 2.0035



13.7791, 23.5214, 77.5135



25.2244, 23.5214, 99.5502

Sweetspot

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



33.9113, 23.5227, 4.3433



74.1970, 72.0836, 59.4375



36.5860, 19.0057, 35.6515



15.3585, 14.7114, 11.5364



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.



33.9113, 23.5227, 4.3433



44.3112, 27.4025, 2.9537



47.3948, 50.4898, 8.8378



13.3992, 13.7377, 13.6710



18.7482, 11.7820, 1.2860



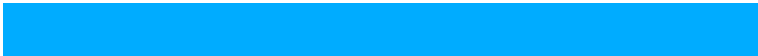
1.2915, 0.9170, 0.1089

Inverse Universe

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



26.1811, 30.6641, 72.2486



32.8574, 36.8349, 99.9858



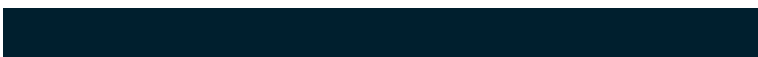
15.7345, 9.7708, 68.7664



13.0704, 14.0804, 16.6811



13.9611, 15.7916, 42.0507



0.9815, 1.1771, 2.7499

Previews

White Background



This preview shows how the XYZ color 33.9108, 23.5214, 4.3429 looks on a white 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

Black Background



This preview shows how the XYZ color 33.9108, 23.5214, 4.3429 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9108, 23.5214, 4.3429

Background



This preview shows how black text looks on a background with the XYZ color 33.9108, 23.5214, 4.3429.



This preview shows how white text looks on a background with the XYZ color 33.9108, 23.5214,

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

33.9108, 23.5214, 4.3429

Protanopia

21.5764, 23.7237, 5.9246

Deuteranopia

24.0778, 23.6643, 3.9604



Tritanopia

35.7621, 23.5006, 13.4777

Trichromacy



Original Color

33.9108, 23.5214, 4.3429

Protanomaly

24.7959, 22.7070, 5.1738

Deuteranomaly

27.0452, 23.0230, 3.9382

Tritanomaly

34.7625, 23.3354, 8.9753

Monochromacy



Original Color

33.9108, 23.5214, 4.3429

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.6037, 20.5254, 13.1264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9108, 23.5214, 4.3429 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(220, 95, 35)` looks like.

```
.text, #text, p{  
    color:rgb(220, 95, 35)  
}
```

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(220, 95, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 95, 35) }
```

Border

The CSS property to change the border of an element to XYZ 33.9108, 23.5214, 4.3429 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(220, 95, 35) }
```


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

```
.border{ border-color:rgb(220, 95, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 95, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 95, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 95, 35);  
box-shadow:4px 4px 4px 4px rgb(220, 95,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9108, 23.5214, 4.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 95, 35) }
```

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

```
.background{ background-color: rgb(220, 95,  
35) }
```

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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