

Converting Colors

XYZ(23.4081, 13.7914, 0.0000)

Have a look what the booklet for
XYZ(23.4081, 13.7914, 0.0000)
contains.

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Color

**XYZ(23.6463, 13.8833,
1.4334)**

Conversions

Conversions Part 1

Format	Color
Hex	C33200
RGB	195, 50, 0
RGB Percent	76%, 20%, 0%
CMY	0.2353, 0.8039, 1.0000
CMYK	0.00, 0.74, 1.00, 0.24
HSL	15°, 100%, 38%
HSV	15°, 100%, 76%
XYZ	23.6463, 13.8833, 1.4334
YIQ	87.6550, 102.4700, 15.1900

Conversions

Conversions Part 2

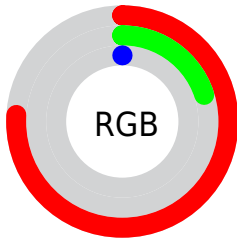
Format	Color
R_{YB}	195, 67, 0
Decimal	12792320
CIE _{Lab}	44.07, 55.57, 56.34
CIE _{LCh}	44, 79.130, 45.393
Yxy	13.8833, 0.6069, 0.3563
Android (android.graphics.Color)	4290982400 (0xFFC33200)
YUV	87.6550, -43.2139, 94.1416
Hunter-Lab	37.2603, 48.0749, 23.8013

Details

The XYZ color **23.6463, 13.8833, 1.4334** 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 **19.9740, 24.1876, 55.2454**, and the grayscale version is **9.2770, 9.7602, 10.6288**.

A 20% lighter version of the original color is **47.1873, 32.0512, 7.3139**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **23.6466, 13.8841, 1.4336**, and if you desaturate by 10%, it is **24.4897, 15.3753, 2.3157**.

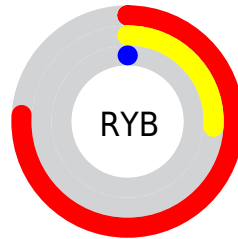
Distribution



Red (76%)

Green (20%)

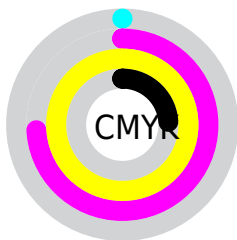
Blue (0%)



Red (76%)

Yellow (26%)

Blue (0%)

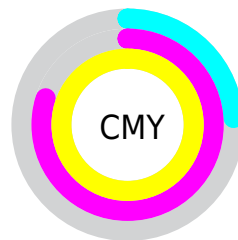


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6463, 13.8833, 1.4334 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 23.6463, 13.8833, 1.4334 by changing the saturation by 10% instead.


 23.6463, 13.8833,
1.4334


 23.6463, 13.8833,
1.4334


 263.5012,
216.5036, 112.8446


 15.1948, 8.0395,
0.1676


 48.9113, 32.8818,
7.4242


 9.0434, 4.1203,
0.0000


 66.4554, 46.8054,
13.1855


 4.8268, 1.7411,
0.0000

 87.7612, 64.1910,
21.3489

 2.1797, 0.4500,
0.0000

 113.1939, 85.4230,
32.3327

 0.7320, 0.0000,
0.0000


 143.1189,
110.8859, 46.5557


 0.0000, 0.0000,
0.0000


 177.9015,


140.9641, 64.4363


 217.9072,
176.0418, 86.3931


 23.6463, 13.8833,
1.4334


 23.6463, 13.8833,
1.4334


 23.6466, 13.8841,
1.4336

 24.4897, 15.3753,
2.3157

 25.6683, 17.3417,
3.9139

 27.2411, 19.8307,
6.4620

 29.2439, 22.8785,
10.0824

 31.7083, 26.5179,
14.8791

■ 34.6627, 30.7789,
20.9436

■ 38.1328, 35.6893,
28.3582

■ 42.1428, 41.2754,
37.1982

■ 46.7151, 47.5619,
47.5335

Harmonies

Analogous

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



28.6360, 13.8833, 7.6580



23.6463, 13.8833, 1.4334



16.4881, 13.8833, 0.0000

Triad

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



23.6463, 13.8833, 1.4334



4.6089, 13.8833, 7.9537



16.6749, 13.8833, 79.1800

Complementary

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



23.6463, 13.8833, 1.4334



19.9740, 24.1876, 55.2454

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.



10.3736, 13.8833, 79.5519



23.6463, 13.8833, 1.4334



4.6302, 13.8833, 26.3063

Square

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



23.6463, 13.8833, 1.4334



6.3201, 13.8833, 1.5045



6.3923, 13.8833, 55.6402



23.8200, 13.8833, 54.8421

Rectangle

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



23.6463, 13.8833, 1.4334



12.0908, 13.8833, 0.0000



6.3923, 13.8833, 55.6402



14.3659, 13.8833, 82.5122

Sweetspot

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



23.6466, 13.8841, 1.4336



67.9866, 63.4848, 50.1167



27.7133, 13.6851, 28.4769



14.2819, 13.0478, 9.6688



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.



23.6466, 13.8841, 1.4336



42.1837, 24.5309, 2.5116



32.8229, 32.2369, 4.4924



10.2785, 10.4885, 10.5446



15.4274, 9.1406, 0.9512



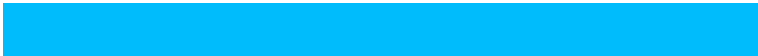
0.7243, 0.5104, 0.0603

Inverse Universe

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



19.9740, 24.1876, 55.2454



35.5625, 42.8976, 98.8755



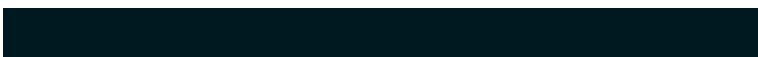
10.9382, 6.1159, 52.2334



10.1428, 10.9770, 12.8690



13.0526, 15.8617, 35.9303



0.6168, 0.7910, 1.5700

Previews

White Background



This preview shows how the XYZ color 23.6463, 13.8833, 1.4334 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



This preview shows how the XYZ color 23.6463, 13.8833, 1.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

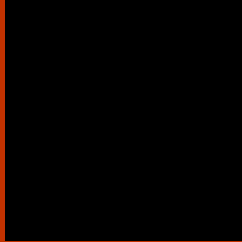
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6463, 13.8833, 1.4334

Background



This preview shows how black text looks on a background with the XYZ color 23.6463, 13.8833, 1.4334.



This preview shows how white text looks on a background with the XYZ color 23.6463, 13.8833,

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

23.6463, 13.8833, 1.4334

Protanopia

12.6676, 14.0126, 2.7961

Deuteranopia

14.2300, 14.1009, 1.9717



Tritanopia

24.3150, 13.9822, 4.2136

Trichromacy



Original Color

23.6463, 13.8833, 1.4334

Protanomaly

15.1818, 12.6397, 2.0550

Deuteranomaly

16.7276, 13.1025, 1.6474

Tritanomaly

24.0692, 13.9486, 2.7201

Monochromacy



Original Color

23.6463, 13.8833, 1.4334

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.9150, 9.6951, 4.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6463, 13.8833, 1.4334 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(195, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 50, 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(195, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.6463, 13.8833, 1.4334 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(195, 50, 0) }
```


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

```
.border{ border-color:rgb(195, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6463, 13.8833, 1.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 50, 0) }
```

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

```
.background{ background-color: rgb(195, 50,  
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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