

Converting Colors

XYZ(22.8441, 14.8643, 0.1661)

Have a look what the booklet for
XYZ(22.8441, 14.8643, 0.1661)
contains.

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Color

**XYZ(23.0534, 14.9531,
1.6712)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4400
RGB	189, 68, 0
RGB Percent	74%, 27%, 0%
CMY	0.2588, 0.7333, 1.0000
CMYK	0.00, 0.64, 1.00, 0.26
HSL	22°, 100%, 37%
HSV	22°, 100%, 74%
XYZ	23.0534, 14.9531, 1.6712
YIQ	96.4270, 93.9440, 4.5040

Conversions

Conversions Part 2

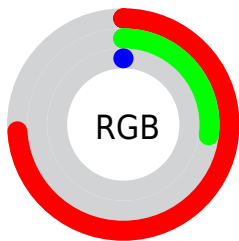
Format	Color
RYB	189, 106, 0
Decimal	12403712
CIELab	45.57, 46.43, 56.45
CIELCh	46, 73.093, 50.563
Yxy	14.9531, 0.5810, 0.3769
Android (android.graphics.Color)	4290593792 (0xFFBD4400)
YUV	96.4270, -47.5385, 81.1865
Hunter-Lab	38.6692, 38.7450, 24.5061

Details

The XYZ color **23.0534, 14.9531, 1.6712** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **16.0219, 17.3475, 50.6476**, and the grayscale version is **11.3192, 11.9087, 12.9685**.

A 20% lighter version of the original color is **48.0839, 34.8528, 8.0639**, and **8.8175, 4.6423, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **23.0536, 14.9537, 1.6713**, and if you desaturate by 10%, it is **23.9793, 16.6185, 2.5556**.

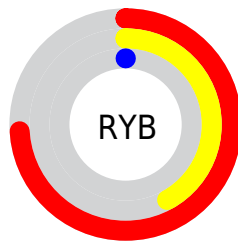
Distribution



Red (74%)

Green (27%)

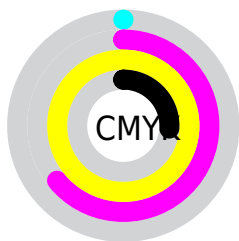
Blue (0%)



Red (74%)

Yellow (42%)

Blue (0%)

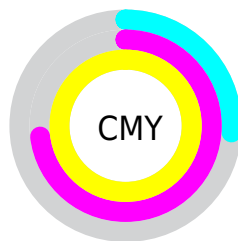


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0534, 14.9531, 1.6712 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 23.0534, 14.9531, 1.6712 by changing the saturation by 10% instead.

■ 23.0534, 14.9531,
1.6712

■ 23.0534, 14.9531,
1.6712

■ 260.5294,
223.0822, 117.0421

■ 14.7539, 8.7865,
0.3409

■ 47.9470, 34.7709,
8.1207

■ 8.7320, 4.6022,
0.0000

■ 65.2718, 49.1908,
14.2016

■ 4.6225, 2.0158,
0.0000

■ 86.3357, 67.1307,
22.7447

■ 2.0600, 0.6166,
0.0000

■ 111.5040, 88.9748,
34.1686


■ 0.6673, 0.0000,
0.0000


■ 141.1422,
115.1076, 48.8917


■ 0.0000, 0.0000,
0.0000


■ 175.6156,


145.9135, 67.3327


 215.2895,
181.7769, 89.9099


 23.0534, 14.9531,
1.6712


 23.0534, 14.9531,
1.6712


 23.0536, 14.9537,
1.6713

 23.9793, 16.6185,
2.5556

 25.1779, 18.6476,
4.0894

 26.6984, 21.0736,
6.4926

 28.5691, 23.9195,
9.8765

 30.8143, 27.2063,
14.3356

■ 33.4561, 30.9533,
19.9532

■ 36.5144, 35.1785,
26.8042

■ 40.0081, 39.8988,
34.9571

■ 43.9543, 45.1305,
44.4755

Harmonies

Analogous

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



28.2866, 14.9531, 7.0953



23.0534, 14.9531, 1.6712



16.2262, 14.9531, 0.4520

Triad

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



23.0534, 14.9531, 1.6712



5.4905, 14.9531, 11.3661



18.7490, 14.9531, 72.4334

Complementary

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



23.0534, 14.9531, 1.6712



16.0219, 17.3475, 50.6476

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.



12.3726, 14.9531, 77.0949



23.0534, 14.9531, 1.6712



5.8090, 14.9531, 31.1811

Square

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



23.0534, 14.9531, 1.6712



6.9353, 14.9531, 2.8994



7.9818, 14.9531, 58.5173



25.3481, 14.9531, 48.3522

Rectangle

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



23.0534, 14.9531, 1.6712



12.1666, 14.9531, 0.4694



7.9818, 14.9531, 58.5173



16.4757, 14.9531, 76.7718

Sweetspot

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



23.0537, 14.9540, 1.6714



65.1166, 62.6207, 47.3632



24.5519, 12.2451, 19.7594



13.4898, 12.7612, 9.0232



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.0537, 14.9540, 1.6714



41.0831, 26.3699, 2.9246



33.6699, 36.1863, 5.2101



9.8036, 10.0832, 10.0062



15.5778, 10.1944, 1.1467



0.6729, 0.5247, 0.0658

Inverse Universe

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



16.0219, 17.3475, 50.6476



28.4598, 30.5981, 90.6322



9.6089, 4.5214, 48.5100



9.5120, 10.2163, 12.1428



10.8545, 11.8207, 34.1024



0.4851, 0.5828, 1.3558

Previews

White Background



This preview shows how the XYZ color 23.0534, 14.9531, 1.6712 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 23.0534, 14.9531, 1.6712

Background



This preview shows how black text looks on a background with the XYZ color 23.0534, 14.9531, 1.6712.



This preview shows how white text looks on a background with the XYZ color 23.0534, 14.9531,

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

23.0534, 14.9531, 1.6712

Protanopia

13.6122, 15.1219, 2.8175

Deuteranopia

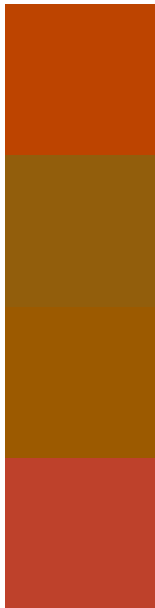
15.1668, 15.0189, 2.0996



Tritanopia

24.0258, 14.9074, 6.9213

Trichromacy



Original Color

23.0534, 14.9531, 1.6712

Protanomaly

15.9231, 14.1429, 2.2384

Deuteranomaly

17.3665, 14.3802, 1.8604

Tritanomaly

23.5615, 14.9022, 3.9201

Monochromacy



Original Color

23.0534, 14.9531, 1.6712

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.3760, 11.7383, 5.9756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0534, 14.9531, 1.6712 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(189, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 68, 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(189, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 68, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.0534, 14.9531, 1.6712 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(189, 68, 0) }
```


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

```
.border{ border-color:rgb(189, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 68, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0534, 14.9531, 1.6712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 68, 0) }
```

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

```
.background{ background-color: rgb(189, 68,  
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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