

Converting Colors

XYZ(23.2129, 14.4371, 1.5632)

Have a look what the booklet for
XYZ(23.2129, 14.4371, 1.5632)
contains.

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Color

**XYZ(23.1546, 14.4139,
1.5618)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3D00
RGB	191, 61, 0
RGB Percent	75%, 24%, 0%
CMY	0.2510, 0.7607, 1.0000
CMYK	0.00, 0.68, 1.00, 0.25
HSL	19°, 100%, 37%
HSV	19°, 100%, 75%
XYZ	23.1546, 14.4139, 1.5618
YIQ	92.9160, 97.0610, 8.5890

Conversions

Conversions Part 2

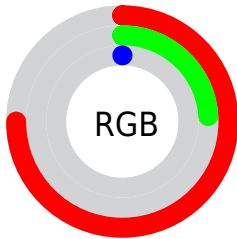
Format	Color
R_{YB}	191, 90, 0
Decimal	12532992
CIE Lab	44.82, 50.12, 56.27
CIE LCh	45, 75.351, 48.310
Yxy	14.4139, 0.5917, 0.3684
Android (android.graphics.Color)	4290723072 (0xFFBF3D00)
YUV	92.9160, -45.8076, 86.0197
Hunter-Lab	37.9656, 42.4242, 24.1369

Details

The XYZ color **23.1546, 14.4139, 1.5618** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.3856, 19.7250, 52.1807**, and the grayscale version is **10.4735, 11.0189, 11.9996**.

A 20% lighter version of the original color is **48.1093, 33.8169, 7.8626**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **23.1548, 14.4145, 1.5619**, and if you desaturate by 10%, it is **24.0534, 16.0223, 2.4456**.

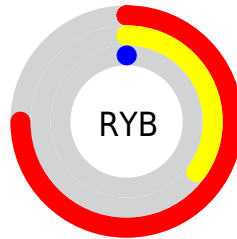
Distribution



Red (75%)

Green (24%)

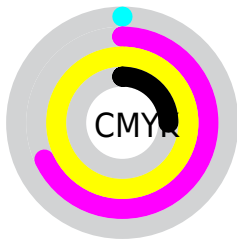
Blue (0%)



Red (75%)

Yellow (35%)

Blue (0%)

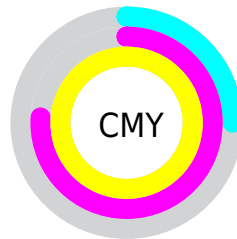


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1546, 14.4139, 1.5618 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 23.1546, 14.4139, 1.5618 by changing the saturation by 10% instead.


 23.1546, 14.4139,
1.5618


 23.1546, 14.4139,
1.5618


 261.0386,
219.7907, 115.1515


 14.8290, 8.4091,
0.2633


 48.1118, 33.8216,
7.8039


 8.7850, 4.3578,
0.0000


 65.4742, 47.9934,
13.7408


 4.6572, 1.8757,
0.0000

 86.5796, 65.6562,
22.1129

 2.0802, 0.5337,
0.0000

 111.7933, 87.1946,
33.3389

 0.6784, 0.0000,
0.0000


 141.4807,
112.9928, 47.8372


 0.0000, 0.0000,
0.0000


 176.0071,


143.4353, 66.0264


 215.7380,
178.9065, 88.3250


 23.1546, 14.4139,
1.5618


 23.1546, 14.4139,
1.5618


 23.1548, 14.4145,
1.5619

 24.0534, 16.0223,
2.4456

 25.2476, 18.0352,
4.0014

 26.7896, 20.4904,
6.4537

 28.7100, 23.4153,
9.9176

 31.0357, 26.8347,
14.4906

■ 33.7906, 30.7715,
20.2586

■ 36.9969, 35.2469,
27.2991

■ 40.6748, 40.2810,
35.6828

■ 44.8435, 45.8927,
45.4753

Harmonies

Analogous

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



28.2537, 14.4139, 7.2844



23.1546, 14.4139, 1.5618



16.2356, 14.4139, 0.2439

Triad

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



23.1546, 14.4139, 1.5618



5.0823, 14.4139, 9.7890



17.7565, 14.4139, 74.7072

Complementary

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



23.1546, 14.4139, 1.5618



17.3856, 19.7250, 52.1807

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.



11.4432, 14.4139, 77.6055



23.1546, 14.4139, 1.5618



5.2668, 14.4139, 28.9030

Square

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



23.1546, 14.4139, 1.5618



6.6364, 14.4139, 2.2334



7.2493, 14.4139, 56.9402



24.5505, 14.4139, 50.6630

Rectangle

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



23.1546, 14.4139, 1.5618



12.0625, 14.4139, 0.1900



7.2493, 14.4139, 56.9402



15.4793, 14.4139, 78.6154

Sweetspot

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



23.1549, 14.4148, 1.5620



65.9697, 62.7236, 48.2387



25.5497, 12.7020, 22.4066



13.9296, 13.0002, 9.3583



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.



23.1549, 14.4148, 1.5620



41.2778, 25.4307, 2.7330



33.3713, 34.8476, 4.9675



9.7723, 10.0205, 9.9957



15.2823, 9.6033, 1.0482



0.6592, 0.4973, 0.0612

Inverse Universe

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



17.3856, 19.7250, 52.1807



30.9087, 34.8694, 93.3805



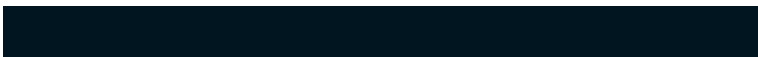
10.0055, 4.9648, 49.7207



9.5446, 10.2816, 12.1537



11.5008, 13.1132, 34.3179



0.5071, 0.6268, 1.3631

Previews

White Background



This preview shows how the XYZ color 23.1546, 14.4139, 1.5618 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 23.1546, 14.4139, 1.5618 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 23.1546, 14.4139, 1.5618

Background



This preview shows how black text looks on a background with the XYZ color 23.1546, 14.4139, 1.5618.



This preview shows how white text looks on a background with the XYZ color 23.1546, 14.4139,

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

23.1546, 14.4139, 1.5618

Protanopia

13.1297, 14.5590, 2.7800

Deuteranopia

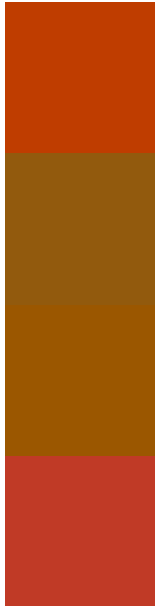
14.7430, 14.6536, 2.0514



Tritanopia

24.0170, 14.4590, 5.8000

Trichromacy



Original Color

23.1546, 14.4139, 1.5618

Protanomaly

15.5829, 13.4524, 2.1560

Deuteranomaly

16.9258, 13.7850, 1.7687

Tritanomaly

23.6011, 14.3725, 3.3640

Monochromacy



Original Color

23.1546, 14.4139, 1.5618

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.7851, 10.8678, 5.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1546, 14.4139, 1.5618 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(191, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 61, 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(191, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1546, 14.4139, 1.5618 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(191, 61, 0) }
```


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

```
.border{ border-color:rgb(191, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1546, 14.4139, 1.5618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 61, 0) }
```

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

```
.background{ background-color: rgb(191, 61,  
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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