

Converting Colors

XYZ(23.1049, 14.5140, 0.0000)

Have a look what the booklet for
XYZ(23.1049, 14.5140, 0.0000)
contains.

XYZ(23.4609, 14.6517, 1.5915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.4609, 14.6517,
1.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	C03E00
RGB	192, 62, 0
RGB Percent	75%, 24%, 0%
CMY	0.2471, 0.7568, 1.0000
CMYK	0.00, 0.68, 1.00, 0.25
HSL	19°, 100%, 38%
HSV	19°, 100%, 75%
XYZ	23.4609, 14.6517, 1.5915
YIQ	93.8020, 97.3820, 8.2780

Conversions

Conversions Part 2

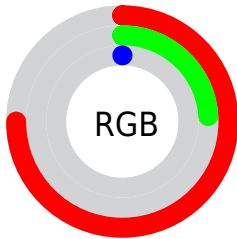
Format	Color
R _Y B	192, 92, 0
Decimal	12598784
CIE Lab	45.15, 50.05, 56.54
CIE LCh	45, 75.509, 48.481
Yxy	14.6517, 0.5909, 0.3690
Android (android.graphics.Color)	4290788864 (0xFFC03E00)
YUV	93.8020, -46.2444, 86.1196
Hunter-Lab	38.2775, 42.4197, 24.3291

Details

The XYZ color **23.4609, 14.6517, 1.5915** 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 **17.4961, 19.7691, 52.7626**, and the grayscale version is **10.6829, 11.2393, 12.2396**.

A 20% lighter version of the original color is **48.2239, 34.0462, 7.9008**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **23.4612, 14.6525, 1.5917**, and if you desaturate by 10%, it is **24.3740, 16.2873, 2.4843**.

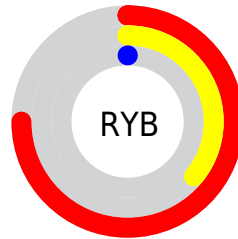
Distribution



Red (75%)

Green (24%)

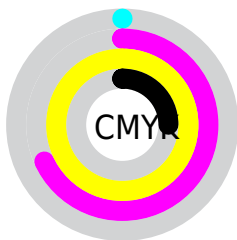
Blue (0%)



Red (75%)

Yellow (36%)

Blue (0%)

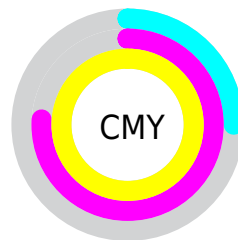


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4609, 14.6517, 1.5915 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 23.4609, 14.6517, 1.5915 by changing the saturation by 10% instead.


 23.4609, 14.6517,
1.5915


 23.4609, 14.6517,
1.5915


 262.5749,
221.2483, 115.6712


 15.0568, 8.5753,
0.2847


 48.6101, 34.2410,
7.8905


 8.9458, 4.4652,
0.0000


 66.0859, 48.5227,
13.8670

 4.7627, 1.9371,
0.0000

 87.3163, 66.3083,
22.2861

 2.1420, 0.5705,
0.0000

 112.6667, 87.9821,
33.5665


 0.7119, 0.0000,
0.0000


 142.5024,
113.9286, 48.1267


 0.0000, 0.0000,
0.0000


 177.1887,


144.5323, 66.3852


 217.0911,
180.1773, 88.7605


 23.4609, 14.6517,
1.5915


 23.4609, 14.6517,
1.5915


 23.4612, 14.6525,
1.5917

 24.3740, 16.2873,
2.4843

 25.5848, 18.3295,
4.0573

 27.1460, 20.8164,
6.5372

 29.0886, 23.7752,
10.0404

 31.4394, 27.2308,
14.6656

■ 34.2228, 31.2061,
20.5000

■ 37.4609, 35.7223,
27.6219

■ 41.1743, 40.7994,
36.1029

■ 45.3821, 46.4566,
46.0094

Harmonies

Analogous

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



28.6398, 14.6517, 7.3682



23.4609, 14.6517, 1.5915



16.4553, 14.6517, 0.2700

Triad

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



23.4609, 14.6517, 1.5915



5.1829, 14.6517, 10.0408



18.0746, 14.6517, 75.5397

Complementary

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



23.4609, 14.6517, 1.5915



17.4961, 19.7691, 52.7626

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.



11.6702, 14.6517, 78.6181



23.4609, 14.6517, 1.5915



5.3799, 14.6517, 29.4711

Square

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



23.4609, 14.6517, 1.5915



6.7498, 14.6517, 2.3122



7.4039, 14.6517, 57.8364



24.9461, 14.6517, 51.1654

Rectangle

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



23.4609, 14.6517, 1.5915



12.2345, 14.6517, 0.2214



7.4039, 14.6517, 57.8364



15.7666, 14.6517, 79.5355

Sweetspot

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



23.4612, 14.6526, 1.5917



67.5756, 64.3101, 49.3729



25.8485, 12.8506, 22.6620



13.9438, 13.0287, 9.3631



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.



23.4612, 14.6526, 1.5917



42.3092, 26.1469, 2.8169



33.7613, 35.2527, 5.0251



10.3329, 10.5972, 10.5627



15.8503, 9.9863, 1.0921



0.7483, 0.5585, 0.0684

Inverse Universe

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



17.4961, 19.7691, 52.7626



31.4636, 35.3438, 95.5240



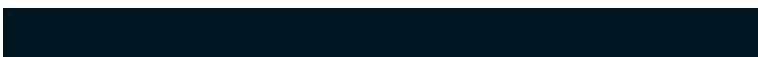
10.1214, 5.0197, 50.3044



10.0855, 10.8622, 12.8499



11.8460, 13.4485, 35.5281



0.5721, 0.7016, 1.5552

Previews

White Background



This preview shows how the XYZ color 23.4609, 14.6517, 1.5915 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 23.4609, 14.6517, 1.5915 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 23.4609, 14.6517, 1.5915

Background



This preview shows how black text looks on a background with the XYZ color 23.4609, 14.6517, 1.5915.



This preview shows how white text looks on a background with the XYZ color 23.4609, 14.6517,

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

23.4609, 14.6517, 1.5915

Protanopia

13.3740, 14.8406, 2.8215

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

24.3477, 14.7005, 5.9691

Trichromacy



Original Color

23.4609, 14.6517, 1.5915

Protanomaly

15.8464, 13.7143, 2.1927

Deuteranomaly

17.1185, 13.8843, 1.7777

Tritanomaly

23.9225, 14.6119, 3.4790

Monochromacy



Original Color

23.4609, 14.6517, 1.5915

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.0388, 11.1067, 5.7315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4609, 14.6517, 1.5915 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(192, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 62, 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(192, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 62, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4609, 14.6517, 1.5915 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(192, 62, 0) }
```


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

```
.border{ border-color:rgb(192, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(192, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 62, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4609, 14.6517, 1.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 62, 0) }
```

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

```
.background{ background-color: rgb(192, 62,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor