

Converting Colors

XYZ(23.5023, 15.8510, 1.8208)

Have a look what the booklet for
XYZ(23.5023, 15.8510, 1.8208)
contains.

XYZ(23.5023, 15.8510, 1.8208)	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>	30

Color

**XYZ(23.5023, 15.8510,
1.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4B00
RGB	189, 75, 0
RGB Percent	74%, 29%, 0%
CMY	0.2588, 0.7059, 1.0000
CMYK	0.00, 0.60, 1.00, 0.26
HSL	24°, 100%, 37%
HSV	24°, 100%, 74%
XYZ	23.5023, 15.8510, 1.8208
YIQ	100.5360, 92.0190, 0.8430

Conversions

Conversions Part 2

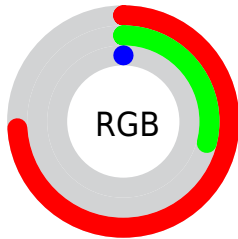
Format	Color
RYB	189, 124, 0
Decimal	12405504
CIELab	46.78, 43.23, 57.09
CIELCh	47, 71.616, 52.866
Yxy	15.8510, 0.5708, 0.3850
Android (android.graphics.Color)	4290595584 (0xFFBD4B00)
YUV	100.5360, -49.5642, 77.5829
Hunter-Lab	39.8133, 35.6975, 25.1578

Details

The XYZ color **23.5023, 15.8510, 1.8208** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.2018, 15.7072, 50.3741**, and the grayscale version is **12.3577, 13.0013, 14.1584**.

A 20% lighter version of the original color is **48.5237, 36.1900, 8.5656**, and **9.0026, 5.0123, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **23.5025, 15.8517, 1.8210**, and if you desaturate by 10%, it is **24.4631, 17.5861, 2.7168**.

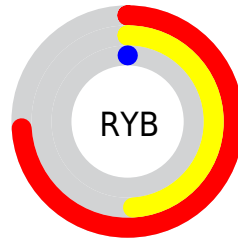
Distribution



Red (74%)

Green (29%)

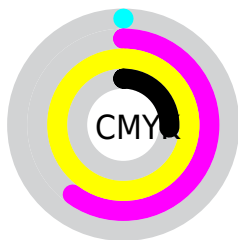
Blue (0%)



Red (74%)

Yellow (49%)

Blue (0%)

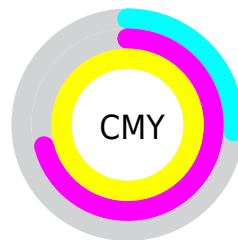


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5023, 15.8510, 1.8208 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 23.5023, 15.8510, 1.8208 by changing the saturation by 10% instead.


 23.5023, 15.8510,
1.8208


 23.5023, 15.8510,
1.8208


 262.7819,
228.4609, 119.5290


 15.0876, 9.4188,
0.4416


 48.6774, 36.3393,
8.5448

 8.9676, 5.0153,
0.0000


 66.1685, 51.1642,
14.8155

 4.7770, 2.2563,
0.0000

 87.4158, 69.5555,
23.5834

 2.1504, 0.7504,
0.0000

 112.7845, 91.8975,
35.2669


 0.7164, 0.0000,
0.0000


 142.6402,
118.5747, 50.2847


 0.0000, 0.0000,
0.0000


 177.3481,


149.9713, 69.0553


 217.2735,
186.4720, 91.9972

 23.5023, 15.8510,
1.8208


 23.5023, 15.8510,
1.8208


 23.5025, 15.8517,
1.8210

 24.4631, 17.5861,
2.7168

 25.6823, 19.6565,
4.2575

 27.2077, 22.0923,
6.6622

 29.0662, 24.9138,
10.0420

 31.2808, 28.1395,
14.4908

■ 33.8724, 31.7862,
20.0916

■ 36.8600, 35.8699,
26.9189

■ 40.2612, 40.4054,
35.0409

■ 44.0924, 45.4070,
44.5209

Harmonies

Analogous

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



28.9942, 15.8510, 7.0762



23.5023, 15.8510, 1.8208



16.6008, 15.8510, 0.6705

Triad

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



23.5023, 15.8510, 1.8208



6.0407, 15.8510, 13.3446



20.2085, 15.8510, 71.9805

Complementary

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



23.5023, 15.8510, 1.8208



15.2018, 15.7072, 50.3741

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.



13.6287, 15.8510, 78.4536



23.5023, 15.8510, 1.8208



6.5133, 15.8510, 34.2870

Square

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



23.5023, 15.8510, 1.8208



7.4001, 15.8510, 3.7387



8.9370, 15.8510, 61.5103



26.7560, 15.8510, 47.3004

Rectangle

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



23.5023, 15.8510, 1.8208



12.5562, 15.8510, 0.7575



8.9370, 15.8510, 61.5103



17.8896, 15.8510, 76.8324

Sweetspot

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



23.5026, 15.8519, 1.8211



65.7431, 63.8737, 47.5721



24.1705, 12.0925, 17.7514



13.6368, 13.0553, 9.0722



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.



23.5026, 15.8519, 1.8211



41.8752, 27.9540, 3.1886



34.7955, 38.4376, 5.5853



9.8325, 10.1410, 10.0158



15.8836, 10.8060, 1.2486



0.6863, 0.5516, 0.0703

Inverse Universe

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



15.2018, 15.7072, 50.3741



26.9857, 27.6499, 90.1409



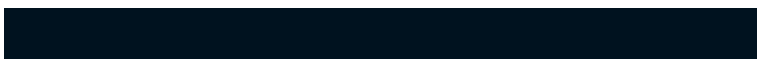
9.4731, 4.2499, 48.4646



9.4822, 10.1567, 12.1329



10.3045, 10.7208, 33.9191



0.4659, 0.5444, 1.3494

Previews

White Background



This preview shows how the XYZ color 23.5023, 15.8510, 1.8208 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 23.5023, 15.8510, 1.8208 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 23.5023, 15.8510, 1.8208

Background



This preview shows how black text looks on a background with the XYZ color 23.5023, 15.8510, 1.8208.



This preview shows how white text looks on a background with the XYZ color 23.5023, 15.8510,

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

23.5023, 15.8510, 1.8208

Protanopia

14.5159, 16.0710, 2.9530

Tritanopia

24.9120, 15.9511, 8.2444

Trichromacy



Original Color

23.5023, 15.8510, 1.8208

Protanomaly

16.9226, 15.3398, 2.4168

Tritanomaly

24.0657, 15.7871, 4.4681

Monochromacy



Original Color

23.5023, 15.8510, 1.8208

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.4254, 13.0110, 6.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5023, 15.8510, 1.8208 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, 75, 0)` looks like.

```
.text, #text, p{  
  color:rgb(189, 75, 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, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.5023, 15.8510, 1.8208 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, 75, 0) }
```

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

```
.border{ border-color:rgb(189, 75, 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, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 23.5023, 15.8510, 1.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 75, 0) }
```

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

```
.background{ background-color: rgb(189, 75,  
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