

Converting Colors

XYZ(24.0141, 16.0195, 1.8624)

Have a look what the booklet for
XYZ(24.0141, 16.0195, 1.8624)
contains.

XYZ(23.9401, 15.9761, 1.8506)	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(23.9401, 15.9761,
1.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4A01
RGB	191, 74, 1
RGB Percent	75%, 29%, 0%
CMY	0.2510, 0.7098, 0.9961
CMYK	0.00, 0.61, 0.99, 0.25
HSL	23°, 99%, 38%
HSV	23°, 99%, 75%
XYZ	23.9401, 15.9761, 1.8506
YIQ	100.6610, 93.1650, 2.1010

Conversions

Conversions Part 2

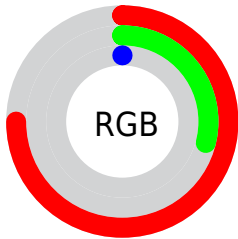
Format	Color
R_{YB}	191, 120, 1
Decimal	12536321
CIE Lab	46.94, 44.46, 57.10
CIE LCh	47, 72.368, 52.095
Yxy	15.9761, 0.5732, 0.3825
Android (android.graphics.Color)	4290726401 (0xFFBF4A01)
YUV	100.6610, -49.1329, 79.2273
Hunter-Lab	39.9701, 36.9649, 25.2340

Details

The XYZ color **23.9401, 15.9761, 1.8506** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.8942, 16.7235, 51.6800**, and the grayscale version is **12.3887, 13.0339, 14.1939**.

A 20% lighter version of the original color is **49.2518, 36.5653, 8.5996**, and **9.2696, 5.0997, 0.4958** is the 20% darker color. If you saturate the color by 10%, you get **23.8939, 15.8928, 1.8083**, and if you desaturate by 10%, it is **24.9222, 17.7458, 2.7783**.

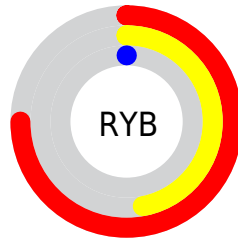
Distribution



Red (75%)

Green (29%)

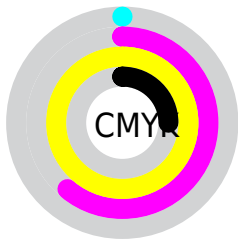
Blue (0%)



Red (75%)

Yellow (47%)

Blue (0%)

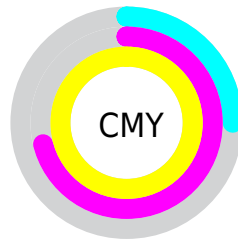


Cyan (0%)

Magenta (61%)

Yellow (99%)

Black (25%)



Cyan (25%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9401, 15.9761, 1.8506 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 23.9401, 15.9761, 1.8506 by changing the saturation by 10% instead.


 23.9401, 15.9761,
1.8506


 23.9401, 15.9761,
1.8506


 264.9636,
229.2006, 120.0120


 15.4137, 9.5072,
0.4610


 49.3878, 36.5567,
8.6282


 9.1984, 5.0735,
0.0000


 67.0398, 51.4372,
14.9357

 4.9290, 2.2904,
0.0000


 88.4644, 69.8905,
23.7472

 2.2400, 0.7686,
0.0000

 114.0270, 92.3008,
35.4811


 0.7637, 0.0000,
0.0000


 144.0928,
119.0525, 50.5560


 0.0000, 0.0000,
0.0000


 179.0273,


150.5302, 69.3904


 219.1958,
187.1181, 92.4029


 23.9401, 15.9761,
1.8506


 23.9401, 15.9761,
1.8506


 23.8939, 15.8928,
1.8083

 24.9222, 17.7458,
2.7783

 26.1790, 19.8716,
4.3929

 27.7568, 22.3841,
6.9010

 29.6831, 25.3049,
10.4157

 31.9820, 28.6537,
15.0330

■ 34.6752, 32.4485,
20.8374

■ 37.7824, 36.7063,
27.9054

■ 41.3220, 41.4430,
36.3067

■ 45.3111, 46.6738,
46.1061

Harmonies

Analogous

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



29.4555, 15.9761, 7.3143



23.9401, 15.9761, 1.8506



16.9180, 15.9761, 0.6471

Triad

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



23.9401, 15.9761, 1.8506



6.0489, 15.9761, 13.0347



20.2293, 15.9761, 73.6662

Complementary

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



23.9401, 15.9761, 1.8506



15.8942, 16.7235, 51.6800

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.



13.5742, 15.9761, 79.6449



23.9401, 15.9761, 1.8506



6.4794, 15.9761, 34.0429

Square

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



23.9401, 15.9761, 1.8506



7.4735, 15.9761, 3.5784



8.8762, 15.9761, 61.8351



26.9319, 15.9761, 48.7298

Rectangle

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



23.9401, 15.9761, 1.8506



12.7784, 15.9761, 0.7113



8.8762, 15.9761, 61.8351



17.8758, 15.9761, 78.4329

Sweetspot

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



23.9404, 15.9770, 1.8509



67.0785, 64.9412, 48.6083



24.7765, 12.4100, 18.2812



14.1950, 13.5310, 9.4468



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.



23.9404, 15.9770, 1.8509



42.5774, 28.0300, 3.1662



35.6481, 39.3923, 5.7534



9.8226, 10.1212, 10.0125



15.7756, 10.5900, 1.2126



0.6817, 0.5422, 0.0687

Inverse Universe

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



15.8942, 16.7235, 51.6800



28.1208, 29.2934, 92.4512



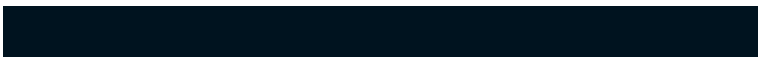
9.7262, 4.3875, 49.6241



9.4923, 10.1769, 12.1363



10.4874, 11.0865, 33.9801



0.4723, 0.5573, 1.3515

Previews

White Background



This preview shows how the XYZ color 23.9401, 15.9761, 1.8506 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 23.9401, 15.9761, 1.8506 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 23.9401, 15.9761, 1.8506

Background



This preview shows how black text looks on a background with the XYZ color 23.9401, 15.9761, 1.8506.



This preview shows how white text looks on a background with the XYZ color 23.9401, 15.9761,

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

23.9401, 15.9761, 1.8506

Protanopia

14.5159, 16.0710, 2.9530

Deuteranopia

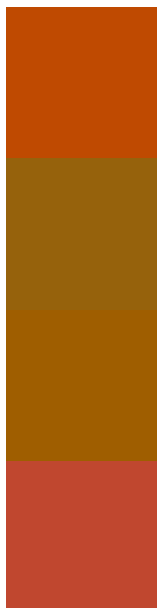
16.1385, 15.9708, 2.2321



Tritanopia

25.3230, 16.0747, 8.0714

Trichromacy



Original Color

23.9401, 15.9761, 1.8506

Protanomaly

17.0117, 15.2459, 2.3940

Deuteranomaly

18.3008, 15.3763, 2.0034

Tritanomaly

24.5046, 15.9182, 4.4703

Monochromacy



Original Color

23.9401, 15.9761, 1.8506

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.5267, 12.9322, 6.7315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9401, 15.9761, 1.8506 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, 74, 1)` looks like.

```
.text, #text, p{  
    color:rgb(191, 74, 1)  
}
```

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, 74, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 74, 1) }
```

Border

The CSS property to change the border of an element to XYZ 23.9401, 15.9761, 1.8506 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, 74, 1) }
```


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

```
.border{ border-color:rgb(191, 74, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 74, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 74, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 74, 1);  
box-shadow:4px 4px 4px 4px rgb(191, 74, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9401, 15.9761, 1.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 74, 1) }
```

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

```
.background{ background-color: rgb(191, 74,  
1) }
```

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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