

Converting Colors

XYZ(23.1516, 24.1839, 3.4477)

Have a look what the booklet for
XYZ(23.1516, 24.1839, 3.4477)
contains.

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Color

**XYZ(23.1516, 24.1839,
3.4477)**

Conversions

Conversions Part 1

Format	Color
Hex	A28400
RGB	162, 132, 0
RGB Percent	64%, 52%, 0%
CMY	0.3647, 0.4823, 1.0000
CMYK	0.00, 0.19, 1.00, 0.36
HSL	49°, 100%, 32%
HSV	49°, 100%, 64%
XYZ	23.1516, 24.1839, 3.4477
YIQ	125.9220, 60.2520, -34.6920

Conversions

Conversions Part 2

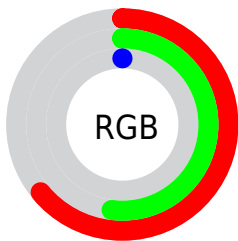
Format	Color
R_{YB}	37, 162, 0
Decimal	10650624
CIE _{Lab}	56.27, 0.75, 61.33
CIE _{LCh}	56, 61.337, 89.303
Yxy	24.1839, 0.4559, 0.4762
Android (android.graphics.Color)	4288840704 (0xFFA28400)
YUV	125.9220, -62.0795, 31.6404
Hunter-Lab	49.1771, -2.0258, 30.2673

Details

The XYZ color **23.1516, 24.1839, 3.4477** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.9860, 3.5374, 34.4969**, and the grayscale version is **19.9956, 21.0370, 22.9093**.

A 20% lighter version of the original color is **48.2111, 50.4874, 12.6729**, and **9.0371, 9.2507, 1.3093** is the 20% darker color. If you saturate the color by 10%, you get **23.1519, 24.1847, 3.4479**, and if you desaturate by 10%, it is **23.6599, 25.0485, 4.0862**.

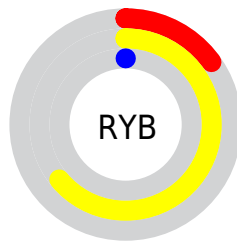
Distribution



Red (64%)

Green (52%)

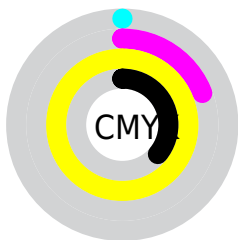
Blue (0%)



Red (15%)

Yellow (64%)

Blue (0%)

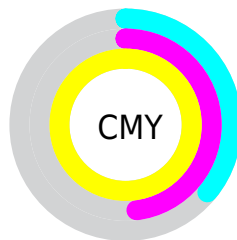


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1516, 24.1839, 3.4477 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 23.1516, 24.1839, 3.4477 by changing the saturation by 10% instead.

■ 23.1516, 24.1839,
3.4477

■ 23.1516, 24.1839,
3.4477

261.0235,
273.7489, 141.8731

■ 14.8268, 15.4701,
1.3275

■ 48.1070, 50.3301,
12.7145

■ 8.7834, 9.1500,
0.0842

■ 65.4682, 68.5313,
20.6982

■ 4.6562, 4.8391,
0.0000

■ 86.5724, 90.6638,
31.4736

■ 2.0796, 2.1532,
0.0000

■ 111.7847,
117.1120, 45.4590

■ 0.6781, 0.6943,
0.0000

■ 141.4707,
148.2601, 63.0732

■ 0.0000, 0.0000,
0.0000

■ 175.9955,

184.4928, 84.7345

215.7247,
226.1942, 110.8617

23.1516, 24.1839,
3.4477

23.1516, 24.1839,
3.4477

23.1519, 24.1847,
3.4479

23.6599, 25.0485,
4.0862

24.2556, 25.9659,
5.1293

24.9718, 26.9506,
6.7484

25.8226, 28.0083,
9.0171

26.8199, 29.1439,
11.9979

■ 27.9744, 30.3618,
15.7462

■ 29.2955, 31.6660,
20.3116

■ 30.7920, 33.0601,
25.7397

■ 32.4720, 34.5475,
32.0727

Harmonies

Analogous

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



30.6376, 24.1839, 5.0511



23.1516, 24.1839, 3.4477



16.9605, 24.1839, 4.8955

Triad

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



23.1516, 24.1839, 3.4477



13.0623, 24.1839, 50.3176



36.7497, 24.1839, 51.5896

Complementary

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



23.1516, 24.1839, 3.4477



6.9860, 3.5374, 34.4969

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.



30.2925, 24.1839, 76.8817



23.1516, 24.1839, 3.4477



16.7280, 24.1839, 75.9196

Square

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



23.1516, 24.1839, 3.4477



11.9069, 24.1839, 25.8621



22.8213, 24.1839, 87.4942



39.4115, 24.1839, 26.8079

Rectangle

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



23.1516, 24.1839, 3.4477



14.1520, 24.1839, 8.2441



22.8213, 24.1839, 87.4942



34.8937, 24.1839, 60.6974

Sweetspot

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



23.1521, 24.1851, 3.4482



53.0376, 57.3471, 36.3550



15.1666, 7.7880, 2.0995



11.6889, 12.6628, 7.3844



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.1521, 24.1851, 3.4482



41.8907, 43.6254, 6.2127



19.7823, 29.3780, 4.6281



7.5374, 8.0132, 7.5295



18.2687, 19.1114, 2.7260



0.4111, 0.4561, 0.0664

Inverse Universe

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



6.9860, 3.5374, 34.4969



12.5713, 6.1994, 62.5901



7.7693, 3.2520, 34.4005



6.8017, 7.0623, 8.9078



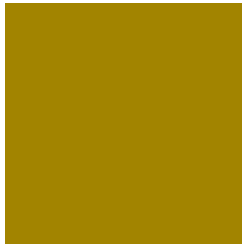
5.5278, 2.8351, 27.1857



0.1438, 0.1149, 0.5805

Previews

White Background



This preview shows how the XYZ color 23.1516, 24.1839, 3.4477 looks on a white 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

Black Background



This preview shows how the XYZ color 23.1516, 24.1839, 3.4477 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1516, 24.1839, 3.4477

Background



This preview shows how black text looks on a background with the XYZ color 23.1516, 24.1839, 3.4477.

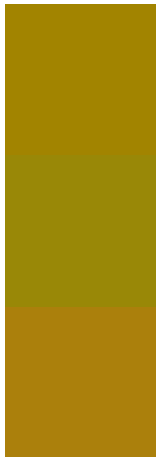


This preview shows how white text looks on a background with the XYZ color 23.1516, 24.1839,

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

23.1516, 24.1839, 3.4477

Protanopia

21.9794, 24.3960, 3.7515

Deuteranopia

24.5801, 24.1228, 3.7085



Tritanopia

27.6100, 24.2669, 25.0586

Trichromacy



Original Color

23.1516, 24.1839, 3.4477

Protanomaly

22.3962, 24.4046, 3.6450

Deuteranomaly

24.0425, 24.0429, 3.6033

Tritanomaly

24.7870, 23.6688, 11.6496

Monochromacy



Original Color

23.1516, 24.1839, 3.4477

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8146, 21.5065, 10.6962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1516, 24.1839, 3.4477 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(162, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 132, 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(162, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1516, 24.1839, 3.4477 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(162, 132, 0) }
```


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

```
.border{ border-color:rgb(162, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1516, 24.1839, 3.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 132, 0) }
```

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

```
.background{ background-color: rgb(162,  
132, 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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