

Converting Colors

XYZ(23.5128, 32.9902, 5.1285)

Have a look what the booklet for
XYZ(23.5128, 32.9902, 5.1285)
contains.

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Color

**XYZ(23.5184, 32.9108,
5.1129)**

Conversions

Conversions Part 1

Format	Color
Hex	84A800
RGB	132, 168, 0
RGB Percent	52%, 66%, 0%
CMY	0.4824, 0.3412, 0.9999
CMYK	0.21, 0.00, 1.00, 0.34
HSL	73°, 100%, 33%
HSV	73°, 100%, 66%
XYZ	23.5184, 32.9108, 5.1129
YIQ	138.0840, 32.4720, -59.8800

Conversions

Conversions Part 2

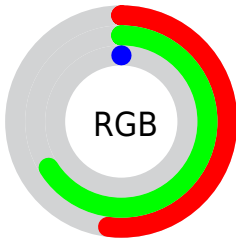
Format	Color
RYB	0, 168, 36
Decimal	8693760
CIELab	64.09, -31.31, 65.93
CIELCh	64, 72.985, 115.402
Yxy	32.9108, 0.3822, 0.5348
Android (android.graphics.Color)	4286883840 (0xFF84A800)
YUV	138.0840, -68.0754, -5.3357
Hunter-Lab	57.3679, -27.2165, 34.8734

Details

The XYZ color **23.5184, 32.9108, 5.1129** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.7967, 3.2031, 37.2550**, and the grayscale version is **24.4342, 25.7067, 27.9946**.

A 20% lighter version of the original color is **48.6439, 64.1022, 16.4658**, and **9.3060, 14.0686, 2.2250** is the 20% darker color. If you saturate the color by 10%, you get **23.5185, 32.9120, 5.1131**, and if you desaturate by 10%, it is **24.1917, 33.2475, 5.6652**.

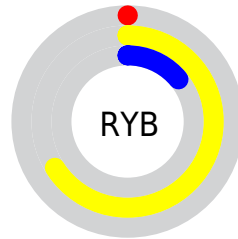
Distribution



Red (52%)

Green (66%)

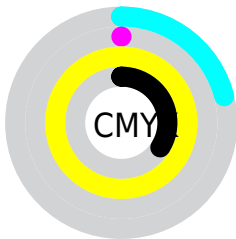
Blue (0%)



Red (0%)

Yellow (66%)

Blue (14%)

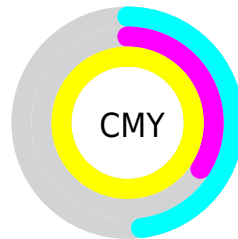


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (48%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5184, 32.9108, 5.1129 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 23.5184, 32.9108, 5.1129 by changing the saturation by 10% instead.


 23.5184, 32.9108,
5.1129

 23.5184, 32.9108,
5.1129


262.8624,
315.2476, 159.8913


 15.0996, 22.0581,
2.2538


 48.7036, 64.2362,
16.5045

 8.9761, 13.8996,
0.7051


 66.2006, 85.4778,
25.8740

 4.7826, 8.0509,
0.0000


 87.4544, 110.9511,
38.2507

 2.1537, 4.1275,
0.0000

 112.8303,
141.0405, 54.0532

 0.7182, 1.7452,
0.0000

 142.6937,
176.1305, 73.6999

 0.0000, 0.4526,
0.0000

 177.4100,

 0.0000, 0.0000,

216.6054, 97.6095

0.0000

217.3444,
262.8496, 126.2005

23.5184, 32.9108,
5.1129

23.5184, 32.9108,
5.1129

23.5185, 32.9120,
5.1131

24.1917, 33.2475,
5.6652

24.9677, 33.6263,
6.6592

25.8816, 34.0626,
8.2757

26.9489, 34.5626,
10.5955

28.1827, 35.1315,
13.6870

■ 29.5947, 35.7740,
17.6108

■ 31.1955, 36.4945,
22.4212

■ 32.9947, 37.2966,
28.1681

■ 35.0011, 38.1841,
34.8975

Harmonies

Analogous

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



32.8983, 32.9108, 3.7956



23.5184, 32.9108, 5.1129



17.6264, 32.9108, 12.2847

Triad

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



23.5184, 32.9108, 5.1129



21.3134, 32.9108, 105.9087



55.5178, 32.9108, 40.5850

Complementary

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



23.5184, 32.9108, 5.1129



7.7967, 3.2031, 37.2550

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.



50.6196, 32.9108, 78.7501



23.5184, 32.9108, 5.1129



29.7171, 32.9108, 127.5536

Square

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



23.5184, 32.9108, 5.1129



16.5635, 32.9108, 66.1530



40.5868, 32.9108, 115.5692



52.8437, 32.9108, 16.5686

Rectangle

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



23.5184, 32.9108, 5.1129



15.7412, 32.9108, 23.3364



40.5868, 32.9108, 115.5692



54.6768, 32.9108, 52.1477

Sweetspot

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



23.5192, 32.9123, 5.1136



56.4338, 66.1440, 40.1510



16.7104, 9.4474, 0.9433



12.0374, 14.2986, 7.9490



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.5192, 32.9123, 5.1136



42.4887, 59.6242, 9.2692



15.3393, 28.6954, 4.7308



7.9872, 8.6915, 8.0459



17.8035, 24.8753, 3.8631



0.4714, 0.6249, 0.0958

Inverse Universe

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



7.7967, 3.2031, 37.2550



13.9981, 5.7347, 67.5942



14.4865, 6.6518, 37.5681



7.2765, 7.3752, 9.4584



5.9237, 2.4372, 28.1337



0.1846, 0.0802, 0.6864

Previews

White Background



This preview shows how the XYZ color 23.5184, 32.9108, 5.1129 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.5184, 32.9108, 5.1129 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 ✓ Pass

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

XYZ 23.5184, 32.9108, 5.1129

Background



This preview shows how black text looks on a background with the XYZ color 23.5184, 32.9108, 5.1129.



This preview shows how white text looks on a background with the XYZ color 23.5184, 32.9108,

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

23.5184, 32.9108, 5.1129

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.1737, 32.5633, 5.7652



Tritanopia

30.9040, 32.7525, 42.2292

Trichromacy



Original Color

23.5184, 32.9108, 5.1129

Protanomaly

26.8689, 32.5125, 4.8594

Deuteranomaly

28.8521, 32.2604, 5.3223

Tritanomaly

26.2621, 31.8870, 18.9580

Monochromacy



Original Color

23.5184, 32.9108, 5.1129

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.6622, 27.4337, 13.3333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5184, 32.9108, 5.1129 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(132, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 168, 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(132, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.5184, 32.9108, 5.1129 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(132, 168, 0) }
```


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

```
.border{ border-color:rgb(132, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 168,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5184, 32.9108, 5.1129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 168, 0) }
```

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

```
.background{ background-color: rgb(132,  
168, 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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