

Converting Colors

XYZ(23.2285, 32.9472, 5.1352)

Have a look what the booklet for
XYZ(23.2285, 32.9472, 5.1352)
contains.

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Color

**XYZ(23.2412, 33.0431,
5.1530)**

Conversions

Conversions Part 1

Format	Color
Hex	81A900
RGB	129, 169, 0
RGB Percent	51%, 66%, 0%
CMY	0.4941, 0.3372, 0.9999
CMYK	0.24, 0.00, 1.00, 0.34
HSL	74°, 100%, 33%
HSV	74°, 100%, 66%
XYZ	23.2412, 33.0431, 5.1530
YIQ	137.7740, 30.4090, -61.0390

Conversions

Conversions Part 2

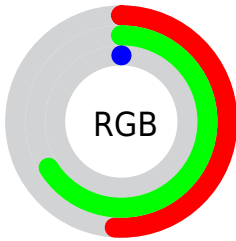
Format	Color
RYB	0, 169, 40
Decimal	8497408
CIELab	64.20, -33.01, 65.93
CIELCh	64, 73.727, 116.597
Yxy	33.0431, 0.3783, 0.5378
Android (android.graphics.Color)	4286687488 (0xFF81A900)
YUV	137.7740, -67.9226, -7.6948
Hunter-Lab	57.4831, -28.4255, 34.9232

Details

The XYZ color **23.2412, 33.0431, 5.1530** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.0379, 3.3166, 37.7547**, and the grayscale version is **24.3153, 25.5816, 27.8583**.

A 20% lighter version of the original color is **48.1754, 64.2584, 16.5206**, and **9.1853, 14.1784, 2.2526** is the 20% darker color. If you saturate the color by 10%, you get **23.2413, 33.0443, 5.1532**, and if you desaturate by 10%, it is **23.9621, 33.4042, 5.7116**.

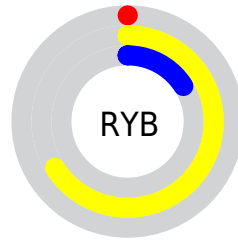
Distribution



Red (51%)

Green (66%)

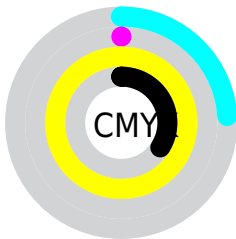
Blue (0%)



Red (0%)

Yellow (66%)

Blue (16%)

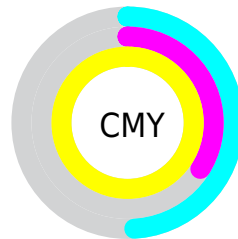


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (49%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2412, 33.0431, 5.1530 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 23.2412, 33.0431, 5.1530 by changing the saturation by 10% instead.


 23.2412, 33.0431,
5.1530


 23.2412, 33.0431,
5.1530


261.4737,
315.8439, 160.2886


 14.8934, 22.1595,
2.2770


 48.2528, 64.4428,
16.5920

 8.8304, 13.9741,
0.7183


 65.6473, 85.7277,
25.9921


 4.6870, 8.1027,
0.0000


 86.7881, 111.2484,
38.4039

 2.0976, 4.1607,
0.0000

 112.0406,
141.3894, 54.2461

 0.6879, 1.7639,
0.0000

 141.7700,
176.5351, 73.9371

 0.0000, 0.4645,
0.0000

 176.3417,

 0.0000, 0.0000,

217.0698, 97.8955

0.0000

216.1212,
263.3779, 126.5398

23.2412, 33.0431,
5.1530

23.2412, 33.0431,
5.1530

23.2413, 33.0443,
5.1532

23.9621, 33.4042,
5.7116

24.7915, 33.8104,
6.7189

25.7649, 34.2769,
8.3574

26.8980, 34.8102,
10.7091

28.2044, 35.4156,
13.8435

■ 29.6959, 36.0980,
17.8220

■ 31.3833, 36.8617,
22.6998

■ 33.2765, 37.7106,
28.5275

■ 35.3845, 38.6485,
35.3518

Harmonies

Analogous

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



32.6146, 33.0431, 3.6813



23.2412, 33.0431, 5.1530



17.4400, 33.0431, 12.6847

Triad

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



23.2412, 33.0431, 5.1530



21.5914, 33.0431, 108.5852



56.0411, 33.0431, 39.5041

Complementary

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



23.2412, 33.0431, 5.1530



8.0379, 3.3166, 37.7547

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.



51.3472, 33.0431, 77.8740



23.2412, 33.0431, 5.1530



30.2286, 33.0431, 129.4357

Square

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



23.2412, 33.0431, 5.1530



16.6464, 33.0431, 68.3860



41.2900, 33.0431, 115.8778



53.0207, 33.0431, 15.8732

Rectangle

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



23.2412, 33.0431, 5.1530



15.6334, 33.0431, 24.2184



41.2900, 33.0431, 115.8778



55.2913, 33.0431, 51.0362

Sweetspot

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



23.2420, 33.0446, 5.1537



56.0285, 65.9351, 40.1320



17.1034, 9.9160, 1.0130



11.9387, 14.2477, 7.9444



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.



23.2420, 33.0446, 5.1537



41.4276, 59.0772, 9.2196



15.2745, 28.9372, 4.7808



7.9707, 8.6830, 8.0452



17.3698, 24.6517, 3.8428



0.4637, 0.6210, 0.0954

Inverse Universe

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



8.0379, 3.3166, 37.7547



14.2375, 5.8581, 67.6054



15.4656, 7.1457, 38.1023



7.2919, 7.3831, 9.4591



6.0309, 2.4925, 28.1387



0.1903, 0.0831, 0.6867

Previews

White Background



This preview shows how the XYZ color 23.2412, 33.0431, 5.1530 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 23.2412, 33.0431, 5.1530 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 23.2412, 33.0431, 5.1530

Background



This preview shows how black text looks on a background with the XYZ color 23.2412, 33.0431, 5.1530.



This preview shows how white text looks on a background with the XYZ color 23.2412, 33.0431,

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

23.2412, 33.0431, 5.1530

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.4460, 32.7021, 5.8457



Tritanopia

30.8143, 32.9455, 42.7652

Trichromacy



Original Color

23.2412, 33.0431, 5.1530

Protanomaly

26.8454, 32.7588, 4.9082

Deuteranomaly

28.8609, 32.2639, 5.3682

Tritanomaly

26.0991, 32.0614, 19.0003

Monochromacy



Original Color

23.2412, 33.0431, 5.1530

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.5006, 27.3504, 13.3258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2412, 33.0431, 5.1530 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(129, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 169, 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(129, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2412, 33.0431, 5.1530 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(129, 169, 0) }
```


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

```
.border{ border-color:rgb(129, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2412, 33.0431, 5.1530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 169, 0) }
```

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

```
.background{ background-color: rgb(129,  
169, 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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