

Converting Colors

XYZ(23.8415, 47.1109, 7.8367)

Have a look what the booklet for
XYZ(23.8415, 47.1109, 7.8367)
contains.

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Color

**XYZ(23.9202, 47.2812,
7.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	18D400
RGB	24, 212, 0
RGB Percent	9%, 83%, 0%
CMY	0.9059, 0.1686, 0.9999
CMYK	0.89, 0.00, 1.00, 0.17
HSL	113°, 100%, 42%
HSV	113°, 100%, 83%
XYZ	23.9202, 47.2812, 7.8655
YIQ	131.6200, -43.9960, -105.7880

Conversions

Conversions Part 2

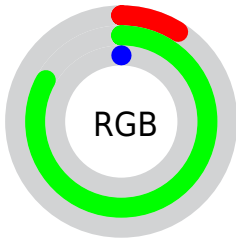
Format	Color
RYB	0, 212, 188
Decimal	1627136
CIELab	74.37, -73.84, 72.51
CIELCh	74, 103.495, 135.521
Yxy	47.2812, 0.3025, 0.5980
Android (android.graphics.Color)	4279817216 (0xFF18D400)
YUV	131.6200, -64.8887, -94.3827
Hunter-Lab	68.7613, -58.2370, 41.3508

Details

The XYZ color **23.9202, 47.2812, 7.8655** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.6312, 15.4496, 63.5521**, and the grayscale version is **22.0348, 23.1823, 25.2456**.

A 20% lighter version of the original color is **44.1314, 75.6552, 20.4606**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.9206, 47.2828, 7.8658**, and if you desaturate by 10%, it is **24.6699, 47.6532, 8.6183**.

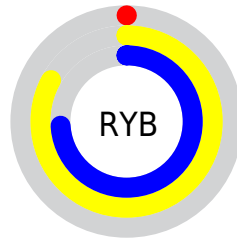
Distribution



Red (9%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (74%)

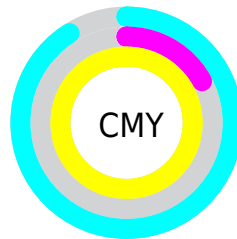


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (91%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9202, 47.2812, 7.8655 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 23.9202, 47.2812, 7.8655 by changing the saturation by 10% instead.


 23.9202, 47.2812,
7.8655


 23.9202, 47.2812,
7.8655


264.8648,
375.9359, 184.5683


 15.3989, 33.2580,
3.9225


 49.3556, 86.1332,
22.2361


 9.1879, 22.3242,
1.5829


 67.0003, 111.7308,
33.5008

 4.9220, 14.0953,
0.2786


 88.4169, 141.9554,
48.0432

 2.2359, 8.1870,
0.0000

 113.9706,
177.1912, 66.2817

 0.7615, 4.2148,
0.0000

 144.0270,
217.8228, 88.6349

 0.0000, 1.7944,
0.0000

 178.9512,

 0.0000, 0.4837,

264.2345, 115.5214

0.0000

219.1087,
316.8107, 147.3597

■ 0.0000, 0.0000,
0.0000

■ 23.9202, 47.2812,
7.8655

■ 23.9202, 47.2812,
7.8655

■ 23.9206, 47.2828,
7.8658

■ 24.6699, 47.6532,
8.6183

■ 25.9320, 48.2706,
10.1813

■ 27.8022, 49.1782,
12.8222

■ 30.3460, 50.4066,
16.6887

■ 33.6206, 51.9827,
21.9053

■ 37.6767, 53.9301,
28.5810

■ 42.5606, 56.2707,
36.8139

■ 48.3150, 59.0245,
46.6935

■ 54.9796, 62.2101,
58.3026

Harmonies

Analogous

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



36.0196, 47.2812, 2.4015



23.9202, 47.2812, 7.8655



18.4137, 47.2812, 29.8551

Triad

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



23.9202, 47.2812, 7.8655



36.5648, 47.2812, 228.3894



89.0439, 47.2812, 28.6203

Complementary

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



23.9202, 47.2812, 7.8655



32.6312, 15.4496, 63.5521

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.



89.3100, 47.2812, 81.6274



23.9202, 47.2812, 7.8655



55.2220, 47.2812, 227.0892

Square

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



23.9202, 47.2812, 7.8655



24.2238, 47.2812, 164.8491



75.6489, 47.2812, 162.0020



74.9995, 47.2812, 7.4948

Rectangle

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



23.9202, 47.2812, 7.8655



17.8829, 47.2812, 61.9946



75.6489, 47.2812, 162.0020



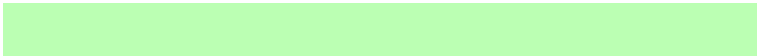
90.8546, 47.2812, 42.2291

Sweetspot

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



23.9213, 47.2832, 7.8666



64.3768, 85.3384, 55.4621



44.9810, 49.6544, 7.2143



13.0729, 17.9275, 10.6744



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.9213, 47.2832, 7.8666



36.2621, 71.7789, 11.9435



25.0407, 47.6875, 15.7255



12.3915, 13.9625, 13.2026



14.8095, 29.2109, 4.8577



0.9380, 1.7849, 0.2951

Inverse Universe

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



32.6312, 15.4496, 63.5521



49.4648, 23.4149, 96.5202



31.2323, 15.6300, 22.7534



12.8083, 12.5581, 15.6864



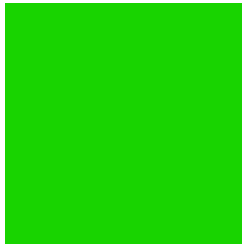
20.1972, 9.5645, 39.2348



1.2584, 0.5976, 2.3683

Previews

White Background



This preview shows how the XYZ color 23.9202, 47.2812, 7.8655 looks on a white background.

Color Contrast Check

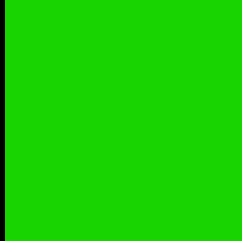
Large Text (above 18pt) WCAG AA × Fail

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 23.9202, 47.2812, 7.8655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

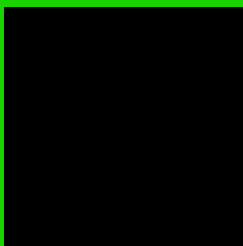
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

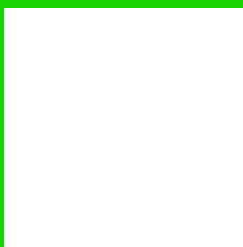
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9202, 47.2812, 7.8655

Background



This preview shows how black text looks on a background with the XYZ color 23.9202, 47.2812, 7.8655.



This preview shows how white text looks on a background with the XYZ color 23.9202, 47.2812,

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

23.9202, 47.2812, 7.8655

Protanopia

41.6298, 46.2933, 6.7414

Deuteranopia

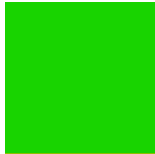
47.2406, 46.1963, 9.0117



Tritanopia

36.2909, 46.9607, 70.1024

Trichromacy



Original Color

23.9202, 47.2812, 7.8655



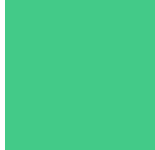
Protanomaly

29.7174, 43.6289, 6.8549



Deuteranomaly

31.3185, 42.4994, 7.7149



Tritanomaly

27.8792, 45.2119, 30.5499

Monochromacy



Original Color

23.9202, 47.2812, 7.8655



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

18.8593, 28.4570, 12.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9202, 47.2812, 7.8655 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(24, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 212, 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(24, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9202, 47.2812, 7.8655 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(24, 212, 0) }
```


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

```
.border{ border-color:rgb(24, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(24, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 212, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9202, 47.2812, 7.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 212, 0) }
```

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

```
.background{ background-color: rgb(24, 212,  
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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