

Converting Colors

XYZ(23.7636, 47.0352, 9.4383)

Have a look what the booklet for
XYZ(23.7636, 47.0352, 9.4383)
contains.

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Color

**XYZ(23.8469, 47.2083,
9.4454)**

Conversions

Conversions Part 1

Format	Color
Hex	00D423
RGB	0, 212, 35
RGB Percent	0%, 83%, 14%
CMY	1.0000, 0.1686, 0.8627
CMYK	1.00, 0.00, 0.83, 0.17
HSL	130°, 100%, 42%
HSV	130°, 100%, 83%
XYZ	23.8469, 47.2083, 9.4454
YIQ	128.4340, -69.5350, -99.9910

Conversions

Conversions Part 2

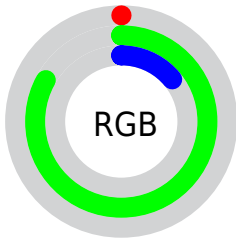
Format	Color
RYB	0, 182, 212
Decimal	54307
CIELab	74.32, -73.97, 67.19
CIELCh	74, 99.930, 137.747
Yxy	47.2083, 0.2962, 0.5864
Android (android.graphics.Color)	4278244387 (0xFF00D423)
YUV	128.4340, -46.0630, -112.6366
Hunter-Lab	68.7083, -58.2867, 39.9452

Details

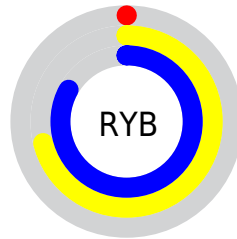
The XYZ color **23.8469, 47.2083, 9.4454** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **35.0883, 17.1720, 43.0601**, and the grayscale version is **20.8433, 21.9287, 23.8804**.

A 20% lighter version of the original color is **43.9811, 75.5089, 23.5659**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.8478, 47.2102, 9.4461**, and if you desaturate by 10%, it is **24.4940, 47.5049, 11.2117**.

Distribution



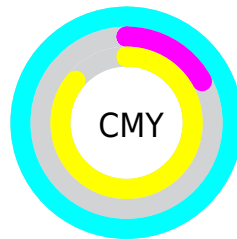
- Red (0%)
- Green (83%)
- Blue (14%)



- Red (0%)
- Yellow (71%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8469, 47.2083, 9.4454 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 23.8469, 47.2083, 9.4454 by changing the saturation by 10% instead.


 23.8469, 47.2083,
9.4454


 23.8469, 47.2083,
9.4454


264.5004,
375.6454, 197.0054


 15.3442, 33.2004,
4.9321


 49.2367, 86.0245,
25.3383


 9.1492, 22.2800,
2.1494

 66.8546, 111.6015,
37.5549

 4.8965, 14.0628,
0.6450


 88.2416, 141.8036,
53.1764

 2.2208, 8.1643,
0.0000

 113.7630,
177.0153, 72.6213

 0.7537, 4.2003,
0.0000

 143.7842,
217.6209, 96.3081

 0.0000, 1.7862,
0.0000

 178.6707,

 0.0000, 0.4786,

264.0049, 124.6553

0.0000

218.7876,
316.5516, 158.0816

■ 0.0000, 0.0000,
0.0000

■ 23.8469, 47.2083,
9.4454

■ 23.8469, 47.2083,
9.4454

■ 23.8478, 47.2102,
9.4461

■ 24.4940, 47.5049,
11.2117

■ 25.6345, 48.0371,
13.7834

■ 27.3993, 48.8721,
17.2455

■ 29.8649, 50.0478,
21.6700

■ 33.0964, 51.5963,
27.1213

■ 37.1512, 53.5462,
33.6584

■ 42.0814, 55.9229,
41.3359

■ 47.9345, 58.7501,
50.2045

■ 54.7547, 62.0494,
60.3119

Harmonies

Analogous

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



35.1409, 47.2083, 3.0221



23.8469, 47.2083, 9.4454



18.8668, 47.2083, 33.1313

Triad

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



23.8469, 47.2083, 9.4454



37.9294, 47.2083, 221.4116



86.4772, 47.2083, 26.7548

Complementary

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



23.8469, 47.2083, 9.4454



35.0883, 17.1720, 43.0601

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.



87.8115, 47.2083, 75.3924



23.8469, 47.2083, 9.4454



56.2472, 47.2083, 214.9763

Square

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



23.8469, 47.2083, 9.4454



25.4166, 47.2083, 164.9403



75.6108, 47.2083, 150.7761



72.3430, 47.2083, 7.4393

Rectangle

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



23.8469, 47.2083, 9.4454



18.6033, 47.2083, 65.9274



75.6108, 47.2083, 150.7761



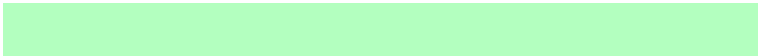
88.5516, 47.2083, 39.1838

Sweetspot

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



23.8480, 47.2103, 9.4465



63.6535, 84.8116, 62.3814



42.4144, 56.8166, 8.7314



12.9098, 17.8085, 12.2476



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.



23.8480, 47.2103, 9.4465



36.1798, 71.6879, 14.1306



28.1178, 48.9182, 31.9308



12.3452, 13.9291, 13.6324



14.7467, 29.1540, 5.9619



0.9159, 1.7690, 0.4987

Inverse Universe

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



35.0883, 17.1720, 43.0601



53.2370, 26.0588, 65.1054



28.3955, 14.4949, 7.8161



12.8609, 12.5958, 15.2075



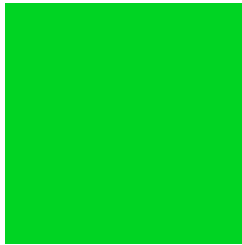
21.6926, 10.6134, 26.7492



1.3324, 0.6497, 1.7397

Previews

White Background



This preview shows how the XYZ color 23.8469, 47.2083, 9.4454 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 23.8469, 47.2083, 9.4454 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 23.8469, 47.2083, 9.4454

Background



This preview shows how black text looks on a background with the XYZ color 23.8469, 47.2083, 9.4454.



This preview shows how white text looks on a background with the XYZ color 23.8469, 47.2083,

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

23.8469, 47.2083, 9.4454

Protanopia

41.8162, 46.3678, 7.7232

Deuteranopia

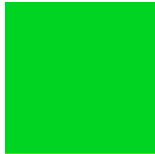
47.1696, 46.1313, 10.2890



Tritanopia

36.0010, 46.8113, 70.0888

Trichromacy



Original Color

23.8469, 47.2083, 9.4454



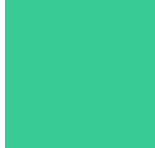
Protanomaly

28.4977, 42.9745, 7.9553



Deuteranomaly

29.8263, 41.6917, 9.3810



Tritanomaly

28.0967, 45.2199, 35.2644

Monochromacy



Original Color

23.8469, 47.2083, 9.4454



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.8119, 27.3538, 14.9307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8469, 47.2083, 9.4454 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(0, 212, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 35)  
}
```

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(0, 212, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 35) }
```

Border

The CSS property to change the border of an element to XYZ 23.8469, 47.2083, 9.4454 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(0, 212, 35) }
```


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

```
.border{ border-color:rgb(0, 212, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8469, 47.2083, 9.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 35) }
```

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

```
.background{ background-color: rgb(0, 212,  
35) }
```

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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