

Converting Colors

XYZ(23.7750, 47.0397, 9.4981)

Have a look what the booklet for
XYZ(23.7750, 47.0397, 9.4981)
contains.

XYZ(23.8619, 47.2143, 9.5247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8619, 47.2143,
9.5247)**

Conversions

Conversions Part 1

Format	Color
Hex	00D424
RGB	0, 212, 36
RGB Percent	0%, 83%, 14%
CMY	1.0000, 0.1686, 0.8588
CMYK	1.00, 0.00, 0.83, 0.17
HSL	130°, 100%, 42%
HSV	130°, 100%, 83%
XYZ	23.8619, 47.2143, 9.5247
YIQ	128.5480, -69.8560, -99.6800

Conversions

Conversions Part 2

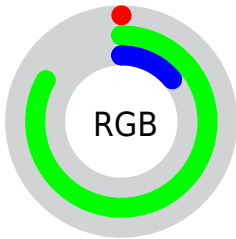
Format	Color
RYB	0, 181, 212
Decimal	54308
CIELab	74.33, -73.92, 66.95
CIELCh	74, 99.732, 137.830
Yxy	47.2143, 0.2961, 0.5858
Android (android.graphics.Color)	4278244388 (0xFF00D424)
YUV	128.5480, -45.6262, -112.7366
Hunter-Lab	68.7127, -58.2593, 39.8803

Details

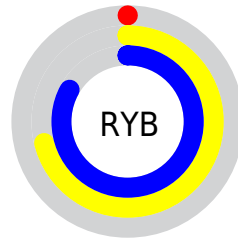
The XYZ color **23.8619, 47.2143, 9.5247** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.9885, 17.1320, 42.5346**, and the grayscale version is **20.8812, 21.9687, 23.9239**.

A 20% lighter version of the original color is **44.0280, 75.5276, 23.8131**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.8630, 47.2162, 9.5257**, and if you desaturate by 10%, it is **24.5147, 47.5131, 11.3210**.

Distribution



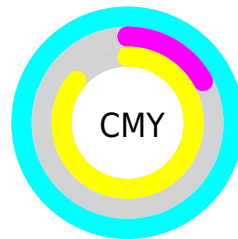
- Red (0%)
- Green (83%)
- Blue (14%)



- 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 23.8619, 47.2143, 9.5247 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 23.8619, 47.2143, 9.5247 by changing the saturation by 10% instead.

■ 23.8619, 47.2143,
9.5247

■ 23.8619, 47.2143,
9.5247

264.5750,
375.6693, 197.6052

■ 15.3554, 33.2051,
4.9835

■ 49.2611, 86.0334,
25.4913

■ 9.1571, 22.2836,
2.1790

■ 66.8844, 111.6121,
37.7537

■ 4.9017, 14.0654,
0.6622

■ 88.2775, 141.8161,
53.4271

■ 2.2239, 8.1662,
0.0000

■ 113.8055,
177.0298, 72.9298

■ 0.7553, 4.2015,
0.0000

■ 143.8339,
217.6376, 96.6804

■ 0.0000, 1.7869,
0.0000

■ 178.7281,

■ 0.0000, 0.4790,

264.0238, 125.0975

0.0000

218.8533,
316.5729, 158.5996

■ 0.0000, 0.0000,
0.0000

■ 23.8619, 47.2143,
9.5247

■ 23.8619, 47.2143,
9.5247

■ 23.8630, 47.2162,
9.5257

■ 24.5147, 47.5131,
11.3210

■ 25.6598, 48.0472,
13.9180

■ 27.4281, 48.8836,
17.3988

■ 29.8956, 50.0600,
21.8339

■ 33.1272, 51.6086,
27.2866

■ 37.1801, 53.5577,
33.8147

■ 42.1062, 55.9328,
41.4716

■ 47.9530, 58.7574,
50.3074

■ 54.7643, 62.0531,
60.3689

Harmonies

Analogous

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



35.1230, 47.2143, 3.0581



23.8619, 47.2143, 9.5247



18.9017, 47.2143, 33.2719

Triad

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



23.8619, 47.2143, 9.5247



37.9913, 47.2143, 221.0013



86.3613, 47.2143, 26.7095

Complementary

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



23.8619, 47.2143, 9.5247



34.9885, 17.1320, 42.5346

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.



87.7321, 47.2143, 75.1665



23.8619, 47.2143, 9.5247



56.2849, 47.2143, 214.3947

Square

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



23.8619, 47.2143, 9.5247



25.4775, 47.2143, 164.8477



75.5946, 47.2143, 150.3020



72.2366, 47.2143, 7.4547

Rectangle

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



23.8619, 47.2143, 9.5247



18.6480, 47.2143, 66.0715



75.5946, 47.2143, 150.3020



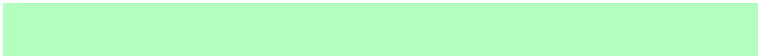
88.4431, 47.2143, 39.0930

Sweetspot

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



23.8630, 47.2163, 9.5258



63.6934, 84.8276, 62.5918



41.6008, 56.3972, 8.6932



12.9190, 17.8121, 12.2958



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.



23.8630, 47.2163, 9.5258



36.2018, 71.6967, 14.2464



28.3772, 49.0219, 33.2972



12.3476, 13.9301, 13.6451



14.7566, 29.1580, 6.0139



0.9170, 1.7694, 0.5046

Inverse Universe

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



34.9885, 17.1320, 42.5346



53.0844, 25.9978, 64.3018



28.2792, 14.4483, 7.2040



12.8582, 12.5948, 15.1938



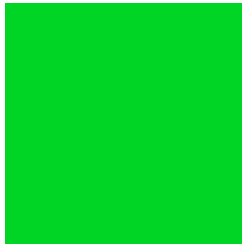
21.6318, 10.5890, 26.4286



1.3292, 0.6485, 1.7231

Previews

White Background



This preview shows how the XYZ color 23.8619, 47.2143, 9.5247 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 23.8619, 47.2143, 9.5247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

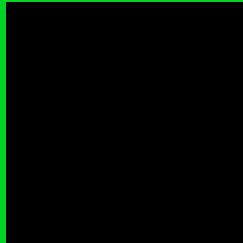
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8619, 47.2143, 9.5247

Background



This preview shows how black text looks on a background with the XYZ color 23.8619, 47.2143, 9.5247.



This preview shows how white text looks on a background with the XYZ color 23.8619, 47.2143,

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

23.8619, 47.2143, 9.5247

Protanopia

41.8394, 46.3771, 7.8451

Deuteranopia

47.1696, 46.1313, 10.2890



Tritanopia

36.0010, 46.8113, 70.0888

Trichromacy



Original Color

23.8619, 47.2143, 9.5247



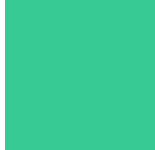
Protanomaly

28.5232, 42.9847, 8.0899



Deuteranomaly

29.8263, 41.6917, 9.3810



Tritanomaly

28.1762, 45.2517, 35.6832

Monochromacy



Original Color

23.8619, 47.2143, 9.5247



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

17.9434, 27.4163, 15.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8619, 47.2143, 9.5247 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 36) }
```

Border

The CSS property to change the border of an element to XYZ 23.8619, 47.2143, 9.5247 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, 36) }
```


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

```
.border{ border-color:rgb(0, 212, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8619, 47.2143, 9.5247 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, 36) }
```

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

```
.background{ background-color: rgb(0, 212,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor