

Converting Colors

XYZ(21.8440, 43.2862, 8.5201)

Have a look what the booklet for
XYZ(21.8440, 43.2862, 8.5201)
contains.

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Color

**XYZ(21.8402, 43.2847,
8.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC1F
RGB	0, 204, 31
RGB Percent	0%, 80%, 12%
CMY	1.0000, 0.2000, 0.8784
CMYK	1.00, 0.00, 0.85, 0.20
HSL	129°, 100%, 40%
HSV	129°, 100%, 80%
XYZ	21.8402, 43.2847, 8.5000
YIQ	123.2820, -66.0510, -97.0510

Conversions

Conversions Part 2

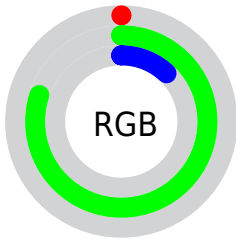
Format	Color
RYB	0, 177, 204
Decimal	52255
CIELab	71.75, -71.97, 65.81
CIELCh	72, 97.526, 137.560
Yxy	43.2847, 0.2966, 0.5879
Android (android.graphics.Color)	4278242335 (0xFF00CC1F)
YUV	123.2820, -45.4950, -108.1183
Hunter-Lab	65.7911, -55.8791, 38.3937

Details

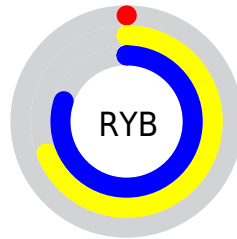
The XYZ color **21.8402, 43.2847, 8.5000** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.4451, 15.8548, 40.8825**, and the grayscale version is **19.0825, 20.0763, 21.8631**.

A 20% lighter version of the original color is **43.5615, 75.3136, 22.5970**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.8412, 43.2865, 8.5010**, and if you desaturate by 10%, it is **22.4304, 43.5564, 10.0549**.

Distribution



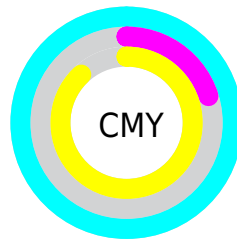
- Red (0%)
- Green (80%)
- Blue (12%)



- Red (0%)
- Yellow (69%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8402, 43.2847, 8.5000 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 21.8402, 43.2847, 8.5000 by changing the saturation by 10% instead.


 21.8402, 43.2847,
8.5000


 21.8402, 43.2847,
8.5000


254.3587,
359.7813, 189.6815


 13.8555, 30.1086,
4.3242


 45.9626, 80.1403,
23.4951

 8.1012, 19.9210,
1.8048


 62.8309, 104.5886,
35.1515

 4.2121, 12.3376,
0.4311


 83.3912, 133.5630,
50.1385

 1.8228, 6.9741,
0.0000

 108.0087,
167.4480, 68.8746

 0.5314, 3.4459,
0.0000

 137.0489,
206.6279, 91.7785

 0.0000, 1.3687,
0.0000

 170.8770,

 0.0000, 0.1935,

251.4871, 119.2685

0.0000

209.8585,
302.4101, 151.7633

■ 0.0000, 0.0000,
0.0000

■ 21.8402, 43.2847,
8.5000

■ 21.8402, 43.2847,
8.5000

■ 21.8412, 43.2865,
8.5010

■ 22.4304, 43.5564,
10.0549

■ 23.4722, 44.0436,
12.3581

■ 25.0884, 44.8091,
15.4917

■ 27.3492, 45.8877,
19.5251

■ 30.3143, 47.3087,
24.5201

■ 34.0365, 49.0984,
30.5333

■ 38.5635, 51.2800,
37.6167

■ 43.9392, 53.8753,
45.8190

■ 50.2042, 56.9042,
55.1857

Harmonies

Analogous

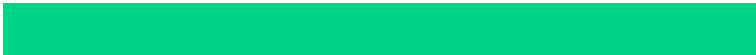
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.2666, 43.2847, 2.6980



21.8402, 43.2847, 8.5000



17.2316, 43.2847, 30.0962

Triad

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



21.8402, 43.2847, 8.5000



34.6590, 43.2847, 203.9193



79.5532, 43.2847, 24.6323

Complementary

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



21.8402, 43.2847, 8.5000



32.4451, 15.8548, 40.8825

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.



80.7008, 43.2847, 69.6159



21.8402, 43.2847, 8.5000



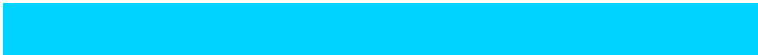
51.5090, 43.2847, 198.3743

Square

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



21.8402, 43.2847, 8.5000



23.1850, 43.2847, 151.4667



69.3800, 43.2847, 139.2703



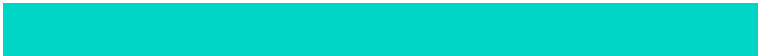
66.5704, 43.2847, 6.7913

Rectangle

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



21.8402, 43.2847, 8.5000



16.9695, 43.2847, 60.1672



69.3800, 43.2847, 139.2703



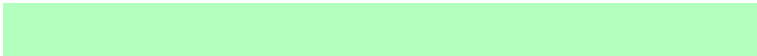
81.4404, 43.2847, 36.1263

Sweetspot

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



21.8412, 43.2865, 8.5010



63.5433, 84.7676, 61.8015



38.9166, 52.1178, 8.0086



12.8846, 17.7984, 12.1147



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.



21.8412, 43.2865, 8.5010



36.1223, 71.6649, 13.8276



25.8000, 44.8700, 29.3476



11.1364, 12.5643, 12.2757



13.7684, 27.2527, 5.4654



0.7330, 1.4150, 0.4015

Inverse Universe

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



32.4451, 15.8548, 40.8825



53.6656, 26.2302, 67.3623



26.0531, 13.2980, 7.2226



11.6114, 11.3733, 13.7543



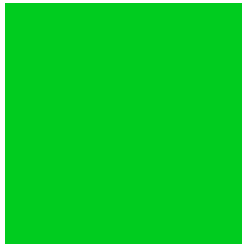
20.4482, 9.9899, 25.8767



1.0753, 0.5235, 1.4421

Previews

White Background



This preview shows how the XYZ color 21.8402, 43.2847, 8.5000 looks on a white background.

Color Contrast Check

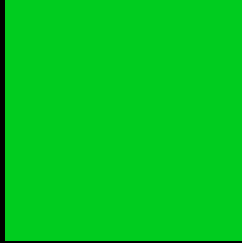
Large Text (above 18pt) WCAG AA × Fail

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 21.8402, 43.2847, 8.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

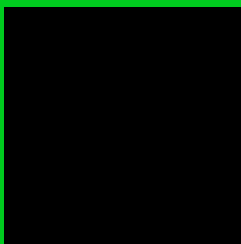
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

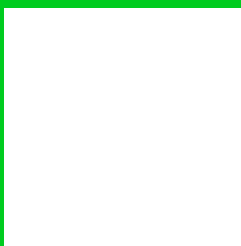
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8402, 43.2847, 8.5000

Background



This preview shows how black text looks on a background with the XYZ color 21.8402, 43.2847, 8.5000.



This preview shows how white text looks on a background with the XYZ color 21.8402, 43.2847,

8.5000.

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

21.8402, 43.2847, 8.5000

Protanopia

38.5007, 42.5882, 6.9502

Deuteranopia

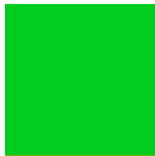
43.0112, 42.0727, 9.2221



Tritanopia

33.1792, 43.1660, 64.3407

Trichromacy



Original Color

21.8402, 43.2847, 8.5000



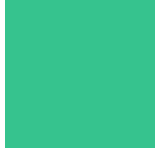
Protanomaly

26.1918, 39.5480, 7.1728



Deuteranomaly

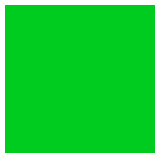
27.2412, 37.9186, 8.3659



Tritanomaly

25.9189, 41.7675, 32.2870

Monochromacy



Original Color

21.8402, 43.2847, 8.5000



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.2156, 24.8144, 13.6079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8402, 43.2847, 8.5000 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, 204, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 31)  
}
```

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, 204, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 31) }
```

Border

The CSS property to change the border of an element to XYZ 21.8402, 43.2847, 8.5000 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, 204, 31) }
```


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

```
.border{ border-color:rgb(0, 204, 31) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8402, 43.2847, 8.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 31) }
```

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

```
.background{ background-color: rgb(0, 204,  
31) }
```

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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