

Converting Colors

XYZ(21.8894, 41.8026, 13.3887)

Have a look what the booklet for
XYZ(21.8894, 41.8026, 13.3887)
contains.

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Color

**XYZ(21.8903, 41.8030,
13.3936)**

Conversions

Conversions Part 1

Format	Color
Hex	00C84A
RGB	0, 200, 74
RGB Percent	0%, 78%, 29%
CMY	1.0000, 0.2157, 0.7098
CMYK	1.00, 0.00, 0.63, 0.22
HSL	142°, 100%, 39%
HSV	142°, 100%, 78%
XYZ	21.8903, 41.8030, 13.3936
YIQ	125.8360, -78.7540, -81.5860

Conversions

Conversions Part 2

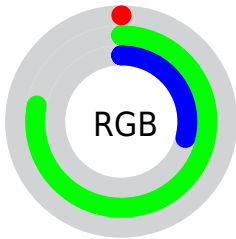
Format	Color
RYB	0, 146, 200
Decimal	51274
CIELab	70.73, -67.37, 50.08
CIELCh	71, 83.945, 143.378
Yxy	41.8030, 0.2840, 0.5423
Android (android.graphics.Color)	4278241354 (0xFF00C84A)
YUV	125.8360, -25.5551, -110.3582
Hunter-Lab	64.6552, -52.7120, 32.9765

Details

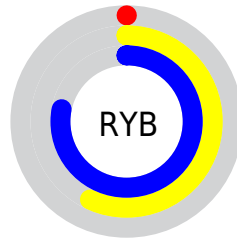
The XYZ color **21.8903, 41.8030, 13.3936** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **27.5865, 13.7863, 20.9466**, and the grayscale version is **19.8797, 20.9150, 22.7764**.

A 20% lighter version of the original color is **45.0703, 75.8771, 32.3490**, and **10.0668, 19.9839, 3.8169** is the 20% darker color. If you saturate the color by 10%, you get **21.8912, 41.8047, 13.3942**, and if you desaturate by 10%, it is **22.6478, 42.1406, 15.8725**.

Distribution



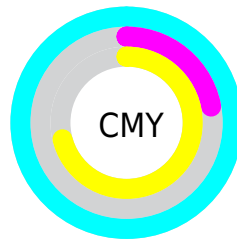
- Red (0%)
- Green (78%)
- Blue (29%)



- Red (0%)
- Yellow (57%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8903, 41.8030, 13.3936 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 21.8903, 41.8030, 13.3936 by changing the saturation by 10% instead.

■ 21.8903, 41.8030,
13.3936

■ 21.8903, 41.8030,
13.3936

254.6160,
353.6656, 224.7207

■ 13.8925, 28.9471,
7.5662

■ 46.0448, 77.9014,
32.7106

■ 8.1271, 19.0408,
3.7349

■ 62.9322, 101.9126,
47.0373

■ 4.2289, 11.6997,
1.4811

■ 83.5135, 130.4111,
65.0342

■ 1.8324, 6.5396,
0.2038

■ 108.1541,
163.7812, 87.1199

■ 0.5371, 3.1759,
0.0000

■ 137.2193,
202.4073, 113.7128

■ 0.0000, 1.2242,
0.0000

171.0744,

■ 0.0000, 0.0814,

246.6738, 145.2316

0.0000

210.0849,
296.9651, 182.0947

■ 0.0000, 0.0000,
0.0000

■ 21.8903, 41.8030,
13.3936

■ 21.8903, 41.8030,
13.3936

■ 21.8912, 41.8047,
13.3942

■ 22.6478, 42.1406,
15.8725

■ 23.7922, 42.6662,
18.8370

■ 25.4326, 43.4365,
22.3158

■ 27.6275, 44.4814,
26.3328

■ 30.4268, 45.8261,
30.9103

■ 33.8748, 47.4930,
36.0692

■ 38.0111, 49.5021,
41.8295

■ 42.8722, 51.8719,
48.2098

■ 48.4920, 54.6195,
55.2283

Harmonies

Analogous

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



30.0307, 41.8030, 5.1842



21.8903, 41.8030, 13.3936



18.6355, 41.8030, 37.2365

Triad

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



21.8903, 41.8030, 13.3936



36.7251, 41.8030, 172.0031



69.7112, 41.8030, 21.3733

Complementary

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



21.8903, 41.8030, 13.3936



27.5865, 13.7863, 20.9466

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.



72.6889, 41.8030, 54.9408



21.8903, 41.8030, 13.3936



51.3266, 41.8030, 158.3557

Square

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



21.8903, 41.8030, 13.3936



25.8096, 41.8030, 138.9140



65.3168, 41.8030, 108.2628



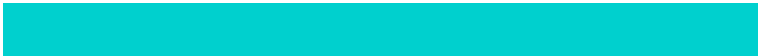
57.9326, 41.8030, 7.5510

Rectangle

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



21.8903, 41.8030, 13.3936



18.9680, 41.8030, 65.6541



65.3168, 41.8030, 108.2628



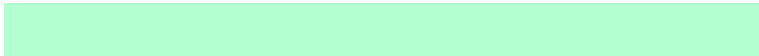
71.8728, 41.8030, 29.9853

Sweetspot

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



21.8913, 41.8047, 13.3946



65.4737, 85.5397, 71.9667



29.3585, 45.7970, 7.2924



13.3313, 17.9771, 14.4674



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.



21.8913, 41.8047, 13.3946



37.7962, 72.3345, 22.6423



28.2306, 44.3404, 46.7769



10.6570, 11.9517, 12.1441



13.9585, 26.5958, 8.7263



0.6958, 1.2733, 0.5970

Inverse Universe

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



27.5865, 13.7863, 20.9466



47.6421, 23.8208, 35.6431



24.0144, 12.3575, 2.1365



10.9102, 10.7475, 12.5104



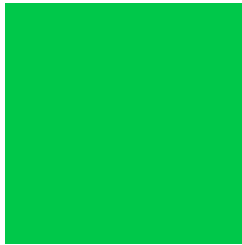
17.5842, 8.7832, 13.5520



0.8667, 0.4295, 0.8213

Previews

White Background



This preview shows how the XYZ color 21.8903, 41.8030, 13.3936 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 21.8903, 41.8030, 13.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

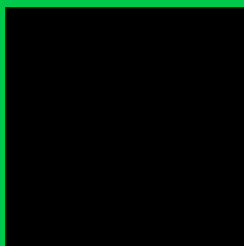
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8903, 41.8030, 13.3936

Background



This preview shows how black text looks on a background with the XYZ color 21.8903, 41.8030, 13.3936.



This preview shows how white text looks on a background with the XYZ color 21.8903, 41.8030,

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

21.8903, 41.8030, 13.3936

Protanopia

37.2218, 40.9748, 11.1014

Deuteranopia

41.6009, 40.6991, 14.2574



Tritanopia

31.7393, 41.5104, 62.2166

Trichromacy



Original Color

21.8903, 41.8030, 13.3936



Protanomaly

25.8282, 38.0231, 11.6081



Deuteranomaly

26.8421, 36.7131, 13.4562



Tritanomaly

26.1313, 40.7696, 37.5024

Monochromacy



Original Color

21.8903, 41.8030, 13.3936



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.3533, 25.5495, 17.9268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8903, 41.8030, 13.3936 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, 200, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 74)  
}
```

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, 200, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 74) }
```

Border

The CSS property to change the border of an element to XYZ 21.8903, 41.8030, 13.3936 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, 200, 74) }
```


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

```
.border{ border-color:rgb(0, 200, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8903, 41.8030, 13.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 74) }
```

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

```
.background{ background-color: rgb(0, 200,  
74) }
```

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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