

Converting Colors

XYZ(21.9408, 41.9339, 13.3182)

Have a look what the booklet for
XYZ(21.9408, 41.9339, 13.3182)
contains.

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Color

**XYZ(21.8569, 41.7896,
13.2176)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00C849 |
| RGB | 0, 200, 73 |
| RGB Percent | 0%, 78%, 29% |
| CMY | 1.0000, 0.2157, 0.7137 |
| CMYK | 1.00, 0.00, 0.63, 0.22 |
| HSL | 142°, 100%, 39% |
| HSV | 142°, 100%, 78% |
| XYZ | 21.8569, 41.7896, 13.2176 |
| YIQ | 125.7220, -78.4330, -81.8970 |

Conversions

Conversions Part 2

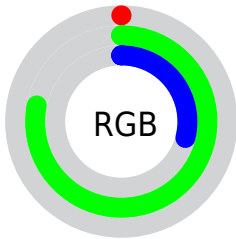
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 147, 200 |
| Decimal | 51273 |
| CIELab | 70.73, -67.49, 50.50 |
| CIELCh | 71, 84.290, 143.195 |
| Yxy | 41.7896, 0.2844, 0.5437 |
| Android (android.graphics.Color) | 4278241353 (0xFF00C849) |
| YUV | 125.7220, -25.9919, -110.2582 |
| Hunter-Lab | 64.6449, -52.7764, 33.1287 |

Details

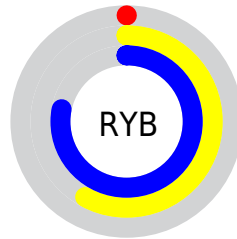
The XYZ color **21.8569, 41.7896, 13.2176** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **27.6516, 13.8124, 21.2894**, and the grayscale version is **19.8427, 20.8760, 22.7340**.

A 20% lighter version of the original color is **45.0054, 75.8511, 32.0074**, and **10.0525, 19.9782, 3.7418** is the 20% darker color. If you saturate the color by 10%, you get **21.8577, 41.7912, 13.2178**, and if you desaturate by 10%, it is **22.6115, 42.1261, 15.6812**.

Distribution



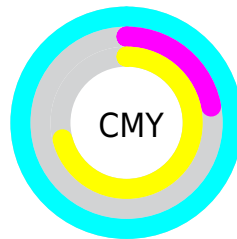
- Red (0%)
- Green (78%)
- Blue (29%)



- Red (0%)
- Yellow (58%)
- 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 21.8569, 41.7896, 13.2176 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 21.8569, 41.7896, 13.2176 by changing the saturation by 10% instead.

■ 21.8569, 41.7896,
13.2176

■ 21.8569, 41.7896,
13.2176

254.4445,
353.6100, 223.5641

■ 13.8678, 28.9366,
7.4461

■ 45.9900, 77.8811,
32.3911

■ 8.1099, 19.0328,
3.6600

■ 62.8647, 101.8884,
46.6301

■ 4.2177, 11.6940,
1.4407

■ 83.4320, 130.3825,
64.5287

■ 1.8260, 6.5357,
0.1732

■ 108.0572,
163.7479, 86.5054

■ 0.5333, 3.1735,
0.0000

■ 137.1057,
202.3689, 112.9787

■ 0.0000, 1.2230,
0.0000

170.9428,

■ 0.0000, 0.0803,

246.6300, 144.3673

0.0000

209.9340,
296.9156, 181.0896

■ 0.0000, 0.0000,
0.0000

■ 21.8569, 41.7896,
13.2176

■ 21.8569, 41.7896,
13.2176

■ 21.8577, 41.7912,
13.2178

■ 22.6115, 42.1261,
15.6812

■ 23.7542, 42.6509,
18.6362

■ 25.3941, 43.4211,
22.1120

■ 27.5898, 44.4663,
26.1331

■ 30.3915, 45.8120,
30.7223

■ 33.8433, 47.4804,
35.9011

■ 37.9851, 49.4917,
41.6898

■ 42.8535, 51.8645,
48.1076

■ 48.4823, 54.6157,
55.1730

Harmonies

Analogous

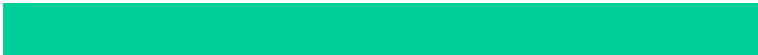
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0493, 41.7896, 5.0905



21.8569, 41.7896, 13.2176



18.5680, 41.7896, 36.9790

Triad

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



21.8569, 41.7896, 13.2176



36.6202, 41.7896, 172.6581



69.8891, 41.7896, 21.4254

Complementary

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



21.8569, 41.7896, 13.2176



27.6516, 13.8124, 21.2894

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.



72.8184, 41.7896, 55.2427



21.8569, 41.7896, 13.2176



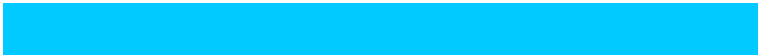
51.2698, 41.7896, 159.2109

Square

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



21.8569, 41.7896, 13.2176



25.6994, 41.7896, 139.1063



65.3506, 41.7896, 108.9242



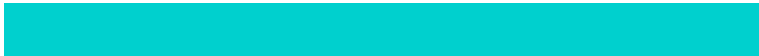
58.0892, 41.7896, 7.5147

Rectangle

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



21.8569, 41.7896, 13.2176



18.8830, 41.7896, 65.4234



65.3506, 41.7896, 108.9242



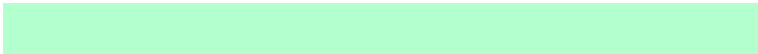
72.0422, 41.7896, 30.1003

Sweetspot

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



21.8579, 41.7913, 13.2186



65.4270, 85.5210, 71.7205



29.8618, 46.0564, 7.3161



13.3204, 17.9727, 14.4099



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.



21.8579, 41.7913, 13.2186



37.7390, 72.3116, 22.3414



27.9112, 44.2126, 45.0950



10.6548, 11.9508, 12.1324



13.9369, 26.5871, 8.6125



0.6947, 1.2728, 0.5909

Inverse Universe

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



27.6516, 13.8124, 21.2894



47.7551, 23.8660, 36.2379



24.0548, 12.3738, 2.3493



10.9125, 10.7484, 12.5225



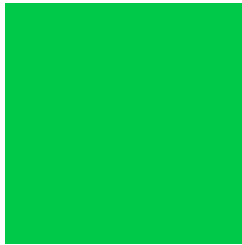
17.6253, 8.7997, 13.7688



0.8685, 0.4302, 0.8306

Previews

White Background



This preview shows how the XYZ color 21.8569, 41.7896, 13.2176 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 21.8569, 41.7896, 13.2176 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 21.8569, 41.7896, 13.2176

Background



This preview shows how black text looks on a background with the XYZ color 21.8569, 41.7896, 13.2176.



This preview shows how white text looks on a background with the XYZ color 21.8569, 41.7896,

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

21.8569, 41.7896, 13.2176

Protanopia

37.4449, 41.0932, 10.9592

Deuteranopia

41.5614, 40.6834, 14.0497



Tritanopia

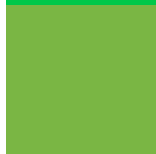
31.7393, 41.5104, 62.2166

Trichromacy



Original Color

21.8569, 41.7896, 13.2176



Protanomaly

25.7974, 38.0108, 11.4460



Deuteranomaly

26.8048, 36.6982, 13.2601



Tritanomaly

26.1313, 40.7696, 37.5024

Monochromacy



Original Color

21.8569, 41.7896, 13.2176



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 21.8569, 41.7896, 13.2176 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 73) }
```

Border

The CSS property to change the border of an element to XYZ 21.8569, 41.7896, 13.2176 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, 73) }
```


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

```
.border{ border-color:rgb(0, 200, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8569, 41.7896, 13.2176 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, 73) }
```

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

```
.background{ background-color: rgb(0, 200,  
73) }
```

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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