

Converting Colors

XYZ(22.3950, 41.3862, 13.1129)

Have a look what the booklet for
XYZ(22.3950, 41.3862, 13.1129)
contains.

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Color

**XYZ(22.3929, 41.3828,
13.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC649
RGB	43, 198, 73
RGB Percent	17%, 78%, 29%
CMY	0.8314, 0.2235, 0.7137
CMYK	0.78, 0.00, 0.63, 0.22
HSL	132°, 64%, 47%
HSV	132°, 78%, 78%
XYZ	22.3929, 41.3828, 13.1108
YIQ	137.4050, -52.2550, -71.7350

Conversions

Conversions Part 2

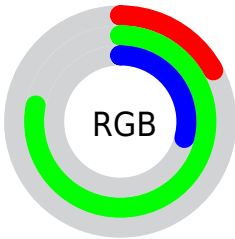
Format	Color
RYB	43, 173, 198
Decimal	2868809
CIELab	70.44, -63.79, 50.28
CIElCh	70, 81.222, 141.754
Yxy	41.3828, 0.2912, 0.5382
Android (android.graphics.Color)	4281058889 (0xFF2BC649)
YUV	137.4050, -31.7517, -82.7932
Hunter-Lab	64.3295, -50.4412, 32.9469

Details

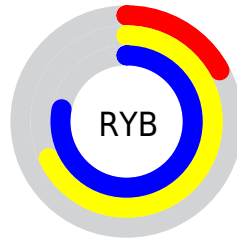
The XYZ color **22.3929, 41.3828, 13.1108** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **31.2214, 16.5611, 38.5967**, and the grayscale version is **24.0629, 25.3160, 27.5692**.

A 20% lighter version of the original color is **46.5961, 76.6712, 32.0818**, and **9.9017, 19.6766, 3.6916** is the 20% darker color. If you saturate the color by 10%, you get **21.2923, 40.8701, 10.6421**, and if you desaturate by 10%, it is **24.0340, 42.1608, 16.3160**.

Distribution



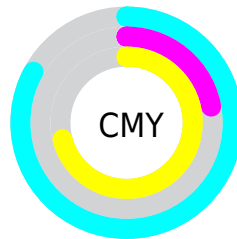
- Red (17%)
- Green (78%)
- Blue (29%)



- Red (17%)
- Yellow (68%)
- Blue (78%)



- Cyan (78%)
- Magenta (0%)
- Yellow (63%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3929, 41.3828, 13.1108 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 22.3929, 41.3828, 13.1108 by changing the saturation by 10% instead.


 22.3929, 41.3828,
13.1108


 22.3929, 41.3828,
13.1108


257.1853,
351.9180, 222.8593


 14.2641, 28.6183,
7.3733


 46.8686, 77.2647,
32.1968

 8.3875, 18.7923,
3.6146


 63.9461, 101.1508,
46.3823


 4.3978, 11.5203,
1.4164


 84.7373, 129.5130,
64.2210

 1.9295, 6.4179,
0.1545

 109.6075,
162.7356, 86.1312

 0.5939, 3.1008,
0.0000

 138.9220,
201.2030, 112.5316

 0.0000, 1.1846,
0.0000

173.0463,

 0.0000, 0.0491,

245.2996, 143.8407

0.0000

212.3456,
295.4098, 180.4771

■ 0.0000, 0.0000,
0.0000

■ 22.3929, 41.3828,
13.1108

■ 22.3929, 41.3828,
13.1108

■ 21.2923, 40.8701,
10.6421

■ 24.0340, 42.1608,
16.3160

■ 20.6389, 40.5723,
8.8476

■ 26.2737, 43.2294,
20.3075

■ 20.5501, 40.5319,
8.6019

■ 29.1654, 44.6163,
25.1338

■ 32.7558, 46.3447,
30.8387

■ 37.0872, 48.4354,
37.4629

■ 42.1986, 50.9079,
45.0446

■ 48.1260, 53.7799,
53.6198

■ 54.9033, 57.0683,
63.2226

■ 62.5626, 60.7887,
73.8857

Harmonies

Analogous

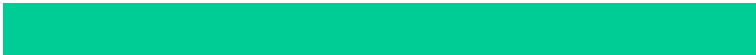
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5492, 41.3828, 5.4270



22.3929, 41.3828, 13.1108



18.9737, 41.3828, 35.2980

Triad

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



22.3929, 41.3828, 13.1108



35.7582, 41.3828, 164.3523



68.3867, 41.3828, 22.8993

Complementary

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



22.3929, 41.3828, 13.1108



31.2214, 16.5611, 38.5967

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.



70.6760, 41.3828, 56.4711



22.3929, 41.3828, 13.1108



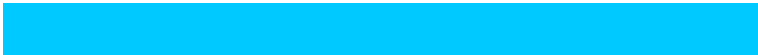
49.6574, 41.3828, 153.9526

Square

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



22.3929, 41.3828, 13.1108



25.4622, 41.3828, 131.2080



63.1902, 41.3828, 107.7747



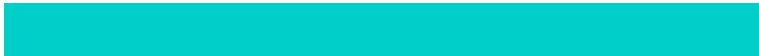
57.5013, 41.3828, 8.4329

Rectangle

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



22.3929, 41.3828, 13.1108



19.1424, 41.3828, 61.7936



63.1902, 41.3828, 107.7747



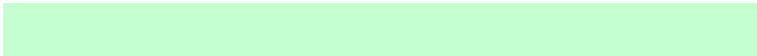
70.2726, 41.3828, 31.6562

Sweetspot

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



22.3939, 41.3845, 13.1117



69.9647, 87.8422, 72.7507



37.1192, 49.0643, 9.7994



14.2861, 18.4686, 14.5438



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.



22.3939, 41.3845, 13.1117



36.8232, 71.9686, 16.4647



26.6095, 43.0708, 35.3109



10.5800, 11.9209, 11.7384



13.3879, 26.3675, 5.7213



0.6597, 1.2588, 0.4066

Inverse Universe

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



31.2214, 16.5611, 38.5967



52.8744, 26.1939, 62.3323



26.0890, 14.5082, 11.5699



10.9917, 10.7801, 12.9395



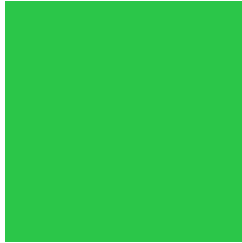
19.2834, 9.4629, 22.5001



0.9363, 0.4574, 1.1877

Previews

White Background



This preview shows how the XYZ color 22.3929, 41.3828, 13.1108 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 22.3929, 41.3828, 13.1108 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 22.3929, 41.3828, 13.1108

Background



This preview shows how black text looks on a background with the XYZ color 22.3929, 41.3828, 13.1108.



This preview shows how white text looks on a background with the XYZ color 22.3929, 41.3828,

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

22.3929, 41.3828, 13.1108

Protanopia

37.0029, 40.5838, 10.8842

Deuteranopia

41.2758, 40.5361, 14.0363



Tritanopia

31.7988, 40.9428, 60.8704

Trichromacy



Original Color

22.3929, 41.3828, 13.1108



Protanomaly

27.8838, 38.7835, 11.4852



Deuteranomaly

29.3677, 38.0194, 13.3801



Tritanomaly

26.9187, 40.5377, 36.9777

Monochromacy



Original Color

22.3929, 41.3828, 13.1108



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.0289, 28.8947, 20.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3929, 41.3828, 13.1108 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(43, 198, 73)` looks like.

```
.text, #text, p{  
    color:rgb(43, 198, 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(43, 198, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 198, 73) }
```

Border

The CSS property to change the border of an element to XYZ 22.3929, 41.3828, 13.1108 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(43, 198, 73) }
```


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

```
.border{ border-color:rgb(43, 198, 73) }
```

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

Here you see how a box with a 4 pixel rgb(43, 198, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 198, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 198, 73);  
box-shadow:4px 4px 4px 4px rgb(43, 198,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3929, 41.3828, 13.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 198, 73) }
```

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

```
.background{ background-color: rgb(43, 198,  
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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