

Converting Colors

XYZ(22.6073, 41.8129, 14.1347)

Have a look what the booklet for
XYZ(22.6073, 41.8129, 14.1347)
contains.

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Color

**XYZ(22.5979, 41.8090,
14.0866)**

Conversions

Conversions Part 1

Format	Color
Hex	26C74E
RGB	38, 199, 78
RGB Percent	15%, 78%, 31%
CMY	0.8510, 0.2196, 0.6941
CMYK	0.81, 0.00, 0.61, 0.22
HSL	135°, 68%, 46%
HSV	135°, 81%, 78%
XYZ	22.5979, 41.8090, 14.0866
YIQ	137.0670, -57.1150, -71.7630

Conversions

Conversions Part 2

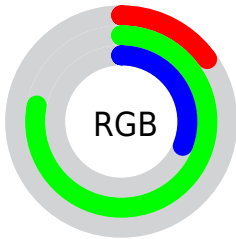
Format	Color
RYB	38, 167, 199
Decimal	2541390
CIELab	70.74, -64.12, 48.40
CIELCh	71, 80.338, 142.957
Yxy	41.8090, 0.2879, 0.5326
Android (android.graphics.Color)	4280731470 (0xFF26C74E)
YUV	137.0670, -29.1200, -86.8818
Hunter-Lab	64.6599, -50.7710, 32.3452

Details

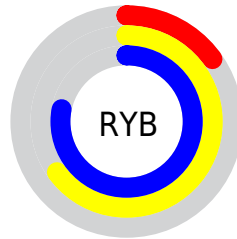
The XYZ color **22.5979, 41.8090, 14.0866** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **30.5055, 16.0322, 34.2885**, and the grayscale version is **23.9263, 25.1723, 27.4127**.

A 20% lighter version of the original color is **46.5388, 76.6034, 33.8058**, and **9.9771, 19.7068, 4.0886** is the 20% darker color. If you saturate the color by 10%, you get **21.5741, 41.3375, 11.5514**, and if you desaturate by 10%, it is **24.1375, 42.5347, 17.2843**.

Distribution



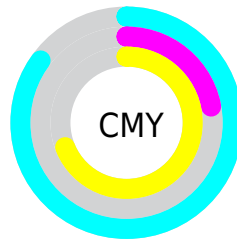
- Red (15%)
- Green (78%)
- Blue (31%)



- Red (15%)
- Yellow (65%)
- Blue (78%)



- Cyan (81%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5979, 41.8090, 14.0866 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 22.5979, 41.8090, 14.0866 by changing the saturation by 10% instead.


 22.5979, 41.8090,
14.0866


 22.5979, 41.8090,
14.0866


258.2270,
353.6906, 229.2160


 14.4159, 28.9518,
8.0415


 47.2038, 77.9105,
33.9619


 8.4942, 19.0443,
4.0333


 64.3584, 101.9235,
48.6293


 4.4672, 11.7023,
1.6437


 85.2346, 130.4239,
67.0077

 1.9697, 6.5413,
0.3217

 110.1978,
163.7961, 89.5158

 0.6168, 3.1769,
0.0000

 139.6132,
202.4245, 116.5722

 0.0000, 1.2248,
0.0000

173.8464,

 0.0000, 0.0818,

246.6934, 148.5953

0.0000

213.2625,
296.9873, 186.0038

■ 0.0000, 0.0000,
0.0000

■ 22.5979, 41.8090,
14.0866

■ 22.5979, 41.8090,
14.0866

■ 21.5741, 41.3375,
11.5514

■ 24.1375, 42.5347,
17.2843


■ 20.9880, 41.0740,
9.7769


■ 26.2522, 43.5408,
21.1843


■ 28.9963, 44.8555,
25.8264


■ 32.4166, 46.5023,
31.2466

■ 36.5554, 48.5023,
37.4785

 41.4514, 50.8747,
44.5537

 47.1407, 53.6376,
52.5023

 53.6567, 56.8076,
61.3525

 61.0312, 60.4005,
71.1317

Harmonies

Analogous

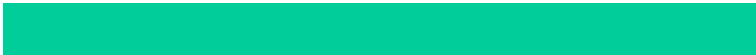
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5609, 41.8090, 5.8750



22.5979, 41.8090, 14.0866



19.3512, 41.8090, 37.1064

Triad

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



22.5979, 41.8090, 14.0866



36.6791, 41.8090, 164.0502



68.3009, 41.8090, 22.4852

Complementary

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



22.5979, 41.8090, 14.0866



30.5055, 16.0322, 34.2885

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.



70.9686, 41.8090, 55.1246



22.5979, 41.8090, 14.0866



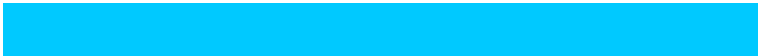
50.5903, 41.8090, 152.0018

Square

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



22.5979, 41.8090, 14.0866



26.2176, 41.8090, 132.7774



63.8922, 41.8090, 105.5645



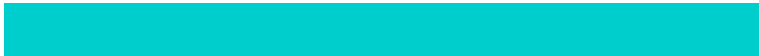
57.2540, 41.8090, 8.4849

Rectangle

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



22.5979, 41.8090, 14.0866



19.6366, 41.8090, 64.0327



63.8922, 41.8090, 105.5645



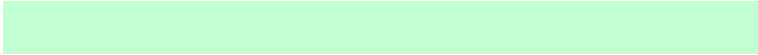
70.2953, 41.8090, 30.9755

Sweetspot

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



22.5989, 41.8107, 14.0875



69.4661, 87.5666, 73.5659



35.5602, 48.6110, 9.3425



14.2081, 18.4228, 14.7907



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.



22.5989, 41.8107, 14.0875



36.9332, 72.0003, 17.5983



27.2303, 43.6633, 38.4761



10.6038, 11.9304, 11.8636



13.5251, 26.4224, 6.4439



0.6704, 1.2631, 0.4632

Inverse Universe

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



30.5055, 16.0322, 34.2885



51.0096, 25.3007, 52.9663



25.7301, 14.1221, 9.1416



10.9661, 10.7698, 12.8050



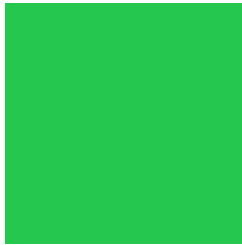
18.6987, 9.2290, 19.4208



0.9130, 0.4480, 1.0650

Previews

White Background



This preview shows how the XYZ color 22.5979, 41.8090, 14.0866 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 22.5979, 41.8090, 14.0866 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 22.5979, 41.8090, 14.0866

Background



This preview shows how black text looks on a background with the XYZ color 22.5979, 41.8090, 14.0866.



This preview shows how white text looks on a background with the XYZ color 22.5979, 41.8090,

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

22.5979, 41.8090, 14.0866

Protanopia

37.3439, 41.0236, 11.7445

Deuteranopia

41.7226, 40.7479, 14.8986



Tritanopia

32.2687, 41.7833, 62.2414

Trichromacy



Original Color

22.5979, 41.8090, 14.0866



Protanomaly

27.9222, 39.0878, 12.3764



Deuteranomaly

29.3383, 37.9867, 14.1734



Tritanomaly

27.1708, 40.9611, 38.3725

Monochromacy



Original Color

22.5979, 41.8090, 14.0866



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.0900, 29.1693, 21.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5979, 41.8090, 14.0866 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(38, 199, 78)` looks like.

```
.text, #text, p{  
    color:rgb(38, 199, 78)  
}
```

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(38, 199, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 199, 78) }
```

Border

The CSS property to change the border of an element to XYZ 22.5979, 41.8090, 14.0866 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(38, 199, 78) }
```


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

```
.border{ border-color:rgb(38, 199, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 199, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 199, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 199, 78);  
box-shadow:4px 4px 4px 4px rgb(38, 199,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5979, 41.8090, 14.0866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 199, 78) }
```

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

```
.background{ background-color: rgb(38, 199,  
78) }
```

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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