

Converting Colors

XYZ(22.9498, 41.6798, 20.0548)

Have a look what the booklet for
XYZ(22.9498, 41.6798, 20.0548)
contains.

XYZ(22.8179, 41.4522, 19.8951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.8179, 41.4522,
19.8951)**

Conversions

Conversions Part 1

Format	Color
Hex	0AC668
RGB	10, 198, 104
RGB Percent	4%, 78%, 41%
CMY	0.9608, 0.2235, 0.5921
CMYK	0.95, 0.00, 0.47, 0.22
HSL	150°, 90%, 41%
HSV	150°, 95%, 78%
XYZ	22.8179, 41.4522, 19.8951
YIQ	131.0720, -81.8740, -69.0900

Conversions

Conversions Part 2

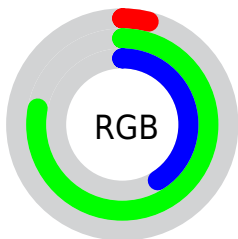
Format	Color
RYB	10, 135, 198
Decimal	706152
CIELab	70.49, -62.06, 35.63
CIELCh	70, 71.558, 150.135
Yxy	41.4522, 0.2711, 0.4925
Android (android.graphics.Color)	4278896232 (0xFF0AC668)
YUV	131.0720, -13.3465, -106.1801
Hunter-Lab	64.3834, -49.4093, 26.7472

Details

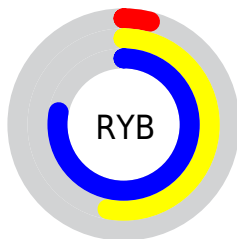
The XYZ color **22.8179, 41.4522, 19.8951** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.8972, 13.2230, 14.2856**, and the grayscale version is **21.6674, 22.7958, 24.8246**.

A 20% lighter version of the original color is **47.2402, 76.7451, 43.7760**, and **10.4883, 19.9113, 6.7805** is the 20% darker color. If you saturate the color by 10%, you get **22.4470, 41.2906, 18.5912**, and if you desaturate by 10%, it is **23.7564, 41.8756, 22.7213**.

Distribution



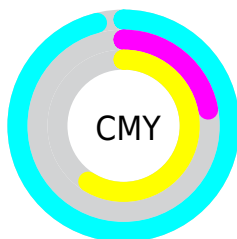
- Red (4%)
- Green (78%)
- Blue (41%)



- Red (4%)
- Yellow (53%)
- Blue (78%)



- Cyan (95%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)





- Cyan (96%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8179, 41.4522, 19.8951 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 22.8179, 41.4522, 19.8951 by changing the saturation by 10% instead.


 22.8179, 41.4522,
19.8951


 22.8179, 41.4522,
19.8951


259.3411,
352.2070, 263.9321


 14.5791, 28.6726,
12.1355


 47.5630, 77.3699,
44.0979


 8.6089, 18.8333,
6.7124


 64.8000, 101.2767,
61.3782


 4.5420, 11.5499,
3.2072


 85.7670, 129.6615,
82.6691

 2.0131, 6.4380,
1.2014

 110.8296,
162.9085, 108.3892

 0.6413, 3.1132,
0.0000

 140.3529,
201.4021, 138.9570

 0.0000, 1.1911,
0.0000

174.7023,

 0.0000, 0.0544,

245.5268, 174.7910

0.0000

214.2433,
295.6670, 216.3099

■ 0.0000, 0.0000,
0.0000

■ 22.8179, 41.4522,
19.8951

■ 22.8179, 41.4522,
19.8951

■ 22.4470, 41.2906,
18.5912

■ 23.7564, 41.8756,
22.7213

■ 25.1166, 42.5082,
25.8847

■ 26.9604, 43.3829,
29.3987

■ 29.3383, 44.5254,
33.2750

■ 32.2939, 45.9580,
37.5245

■ 35.8660, 47.7007,
42.1575

■ 40.0901, 49.7714,
47.1839

■ 44.9989, 52.1869,
52.6132

■ 50.6226, 54.9625,
58.4546

Harmonies

Analogous

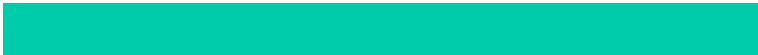
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.0716, 41.4522, 9.0358



22.8179, 41.4522, 19.8951



20.7880, 41.4522, 45.2875

Triad

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



22.8179, 41.4522, 19.8951



39.4525, 41.4522, 146.2741



62.4573, 41.4522, 19.7421

Complementary

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



22.8179, 41.4522, 19.8951



25.8972, 13.2230, 14.2856

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.



66.7194, 41.4522, 44.9816



22.8179, 41.4522, 19.8951



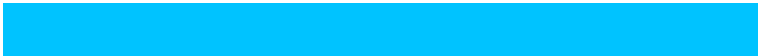
51.9217, 41.4522, 127.8736

Square

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



22.8179, 41.4522, 19.8951



29.1472, 41.4522, 128.1800



62.5300, 41.4522, 85.8360



51.8106, 41.4522, 8.9836

Rectangle

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



22.8179, 41.4522, 19.8951



21.7065, 41.4522, 71.3985



62.5300, 41.4522, 85.8360



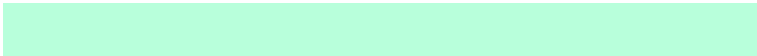
64.7690, 41.4522, 26.2593

Sweetspot

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



22.8189, 41.4539, 19.8961



68.2571, 86.7913, 80.3795



26.3296, 43.5460, 7.3048



13.9161, 18.2369, 16.3745



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.



22.8189, 41.4539, 19.8961



39.6233, 73.0653, 32.2638



30.1558, 44.3886, 58.5314



10.7149, 11.9749, 12.4490



14.6405, 26.8686, 12.3173



0.7298, 1.2869, 0.7758

Inverse Universe

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



25.8972, 13.2230, 14.2856



45.1036, 22.8054, 22.2754



23.4718, 12.2528, 1.5134



10.8513, 10.7239, 12.2004



16.6531, 8.4108, 8.6491



0.8251, 0.4129, 0.6021

Previews

White Background



This preview shows how the XYZ color 22.8179, 41.4522, 19.8951 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 22.8179, 41.4522, 19.8951 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 22.8179, 41.4522, 19.8951

Background



This preview shows how black text looks on a background with the XYZ color 22.8179, 41.4522, 19.8951.



This preview shows how white text looks on a background with the XYZ color 22.8179, 41.4522,

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

22.8179, 41.4522, 19.8951

Protanopia

37.3223, 40.6253, 16.4641

Deuteranopia

41.2547, 40.3658, 21.2398



Tritanopia

31.3326, 41.3008, 62.1976

Trichromacy



Original Color

22.8179, 41.4522, 19.8951



Protanomaly

26.8969, 38.1405, 17.4995



Deuteranomaly

28.1713, 37.2448, 20.4560



Tritanomaly

26.8790, 40.7186, 42.5192

Monochromacy



Original Color

22.8179, 41.4522, 19.8951



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.1030, 26.8494, 22.2648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8179, 41.4522, 19.8951 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(10, 198, 104)` looks like.

```
.text, #text, p{  
    color:rgb(10, 198, 104)  
}
```

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(10, 198, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 198, 104) }
```

Border

The CSS property to change the border of an element to XYZ 22.8179, 41.4522, 19.8951 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(10, 198, 104) }
```


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

```
.border{ border-color:rgb(10, 198, 104) }
```

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

Here you see how a box with a 4 pixel rgb(10, 198, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 198, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 198, 104);  
box-shadow:4px 4px 4px 4px rgb(10, 198,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8179, 41.4522, 19.8951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 198, 104) }
```

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

```
.background{ background-color: rgb(10, 198,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor