

Converting Colors

XYZ(21.8377, 42.1875, 7.0249)

Have a look what the booklet for
XYZ(21.8377, 42.1875, 7.0249)
contains.

XYZ(21.8884, 42.2891, 7.0377)	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(21.8884, 42.2891,
7.0377)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC901
RGB	43, 201, 1
RGB Percent	17%, 79%, 0%
CMY	0.8314, 0.2117, 0.9960
CMYK	0.79, 0.00, 0.99, 0.21
HSL	107°, 99%, 40%
HSV	107°, 99%, 79%
XYZ	21.8884, 42.2891, 7.0377
YIQ	130.9580, -29.9680, -95.6960

Conversions

Conversions Part 2

Format	Color
RYB	1, 201, 159
Decimal	2869505
CIELab	71.07, -68.83, 69.86
CIELCh	71, 98.066, 134.574
Yxy	42.2891, 0.3074, 0.5938
Android (android.graphics.Color)	4281059585 (0xFF2BC901)
YUV	130.9580, -64.0693, -77.1392
Hunter-Lab	65.0301, -53.7215, 39.1046

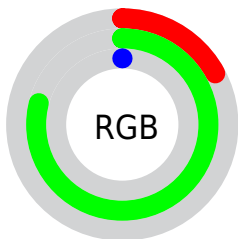
Details

The XYZ color **21.8884, 42.2891, 7.0377** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **24.8576, 11.6131, 56.1921**, and the grayscale version is **21.7896, 22.9244, 24.9647**.

A 20% lighter version of the original color is **44.7164, 75.9656, 20.0906**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.8502, 42.2713, 7.0076**, and if you desaturate by 10%, it is **22.8206, 42.7558, 7.7654**.

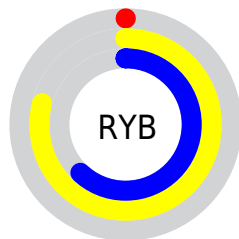
Distribution



Red (17%)

Green (79%)

Blue (0%)



Red (0%)

Yellow (79%)

Blue (62%)

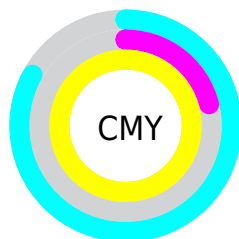


Cyan (79%)

Magenta (0%)

Yellow (99%)

Black (21%)



Cyan (83%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8884, 42.2891, 7.0377 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 21.8884, 42.2891, 7.0377 by changing the saturation by 10% instead.


 21.8884, 42.2891,
7.0377


 21.8884, 42.2891,
7.0377


254.6062,
355.6800, 177.6194


 13.8911, 29.3277,
3.4069


 46.0417, 78.6370,
20.5632


 8.1261, 19.3289,
1.3060


 62.9284, 102.7923,
31.2949


 4.2282, 11.9082,
0.0667


 83.5089, 131.4477,
45.2307


 1.8321, 6.6812,
0.0000

 108.1486,
164.9876, 62.7891

 0.5369, 3.2635,
0.0000

 137.2128,
203.7963, 84.3886

 0.0000, 1.2708,
0.0000

 171.0669,

 0.0000, 0.1184,

248.2584, 110.4478

0.0000

210.0763,
298.7582, 141.3852

■ 0.0000, 0.0000,
0.0000

■ 21.8884, 42.2891,
7.0377

■ 21.8884, 42.2891,
7.0377

■ 21.8502, 42.2713,
7.0076

■ 22.8206, 42.7558,
7.7654

■ 24.1748, 43.4230,
9.2257

■ 26.0179, 44.3215,
11.6444

■ 28.3951, 45.4719,
15.1487

■ 31.3460, 46.8922,
19.8462

■ 34.9060, 48.5987,
25.8317

■ 39.1080, 50.6064,
33.1902

■ 43.9820, 52.9291,
41.9997

■ 49.5563, 55.5799,
52.3323

Harmonies

Analogous

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



32.7759, 42.2891, 2.2905



21.8884, 42.2891, 7.0377



16.8295, 42.2891, 25.9723

Triad

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



21.8884, 42.2891, 7.0377



32.3826, 42.2891, 199.3074



79.0509, 42.2891, 26.8669

Complementary

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



21.8884, 42.2891, 7.0377



24.8576, 11.6131, 56.1921

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.



78.8608, 42.2891, 74.4602



21.8884, 42.2891, 7.0377



48.6558, 42.2891, 200.2309

Square

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



21.8884, 42.2891, 7.0377



21.6683, 42.2891, 142.8503



66.6114, 42.2891, 144.8773



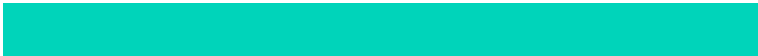
67.0762, 42.2891, 7.3123

Rectangle

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



21.8884, 42.2891, 7.0377



16.2570, 42.2891, 53.6235



66.6114, 42.2891, 144.8773



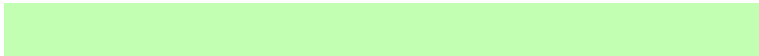
80.4936, 42.2891, 39.2176

Sweetspot

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



21.8894, 42.2909, 7.0386



66.2377, 86.2977, 55.5492



36.2654, 36.7631, 5.2140



13.4995, 18.1474, 10.6944



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.



21.8894, 42.2909, 7.0386



37.2560, 72.2912, 11.9900



21.6560, 42.0839, 10.9426



10.7021, 11.9933, 11.3136



13.8009, 26.6099, 4.4088



0.7156, 1.2920, 0.2117

Inverse Universe

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



24.8576, 11.6131, 56.1921



42.2652, 19.7034, 96.1833



29.1598, 14.4643, 27.7781



10.8567, 10.6999, 13.4106



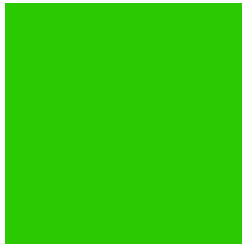
15.6735, 7.3142, 35.3301



0.7984, 0.3753, 1.6755

Previews

White Background



This preview shows how the XYZ color 21.8884, 42.2891, 7.0377 looks on a white background.

Color Contrast Check

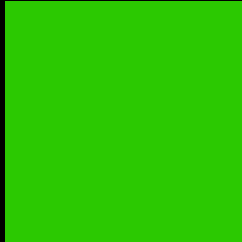
Large Text (above 18pt) WCAG AA × Fail

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 21.8884, 42.2891, 7.0377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

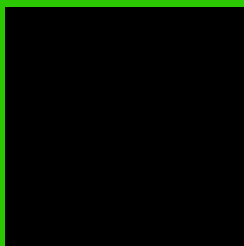
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8884, 42.2891, 7.0377

Background



This preview shows how black text looks on a background with the XYZ color 21.8884, 42.2891, 7.0377.



This preview shows how white text looks on a background with the XYZ color 21.8884, 42.2891,

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

21.8884, 42.2891, 7.0377

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

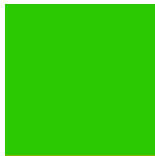
42.3268, 41.4771, 8.0605



Tritanopia

32.9452, 42.1321, 62.2730

Trichromacy



Original Color

21.8884, 42.2891, 7.0377



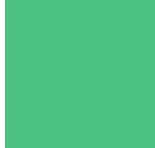
Protanomaly

27.7487, 39.4424, 6.1506



Deuteranomaly

29.2582, 38.3981, 6.9681



Tritanomaly

25.7137, 40.7801, 27.2850

Monochromacy



Original Color

21.8884, 42.2891, 7.0377



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.6343, 27.0697, 12.6303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8884, 42.2891, 7.0377 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, 201, 1)` looks like.

```
.text, #text, p{  
    color:rgb(43, 201, 1)  
}
```

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, 201, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 201, 1) }
```

Border

The CSS property to change the border of an element to XYZ 21.8884, 42.2891, 7.0377 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, 201, 1) }
```


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

```
.border{ border-color:rgb(43, 201, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 201, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 201, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 201, 1);  
box-shadow:4px 4px 4px 4px rgb(43, 201, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8884, 42.2891, 7.0377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 201, 1) }
```

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

```
.background{ background-color: rgb(43, 201,  
1) }
```

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