

Converting Colors

XYZ(21.3810, 42.1396, 9.0434)

Have a look what the booklet for
XYZ(21.3810, 42.1396, 9.0434)
contains.

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Color

**XYZ(21.2696, 41.9265,
8.9791)**

Conversions

Conversions Part 1

Format	Color
Hex	00C928
RGB	0, 201, 40
RGB Percent	0%, 79%, 16%
CMY	1.0000, 0.2118, 0.8431
CMYK	1.00, 0.00, 0.80, 0.21
HSL	132°, 100%, 39%
HSV	132°, 100%, 79%
XYZ	21.2696, 41.9265, 8.9791
YIQ	122.5470, -68.1150, -92.6830

Conversions

Conversions Part 2

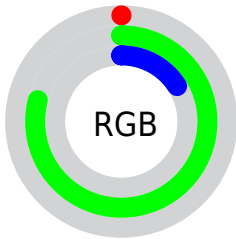
Format	Color
RYB	0, 168, 201
Decimal	51496
CIELab	70.82, -70.67, 62.64
CIELCh	71, 94.430, 138.447
Yxy	41.9265, 0.2947, 0.5809
Android (android.graphics.Color)	4278241576 (0xFF00C928)
YUV	122.5470, -40.6957, -107.4737
Hunter-Lab	64.7507, -54.6792, 37.1036

Details

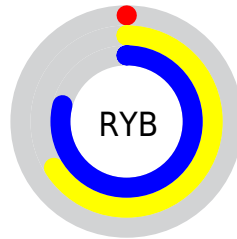
The XYZ color **21.2696, 41.9265, 8.9791** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.5211, 14.9911, 35.0013**, and the grayscale version is **18.8242, 19.8045, 21.5671**.

A 20% lighter version of the original color is **43.6056, 75.3044, 24.0413**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.2706, 41.9283, 8.9801**, and if you desaturate by 10%, it is **21.8945, 42.2114, 10.7488**.

Distribution



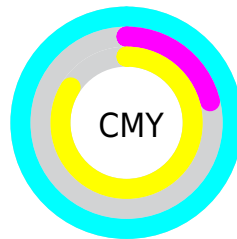
- Red (0%)
- Green (79%)
- Blue (16%)



- Red (0%)
- Yellow (66%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2696, 41.9265, 8.9791 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 21.2696, 41.9265, 8.9791 by changing the saturation by 10% instead.


 21.2696, 41.9265,
8.9791


 21.2696, 41.9265,
8.9791


251.4125,
354.1782, 193.4342


 13.4348, 29.0437,
4.6309


 45.0237, 78.0884,
24.4338


 7.8077, 19.1139,
1.9775

 61.6737, 102.1363,
36.3774

 4.0229, 11.7526,
0.5414


 81.9928, 130.6747,
51.6898

 1.7151, 6.5755,
0.0000

 106.3464,
164.0880, 70.7897

 0.4657, 3.1980,
0.0000

 135.0998,
202.7606, 94.0955

 0.0000, 1.2360,
0.0000

 168.6184,

 0.0000, 0.0908,

247.0769, 122.0259

0.0000

207.2675,
297.4213, 154.9993

■ 0.0000, 0.0000,
0.0000

■ 21.2696, 41.9265,
8.9791

■ 21.2696, 41.9265,
8.9791

■ 21.2706, 41.9283,
8.9801

■ 21.8945, 42.2114,
10.7488

■ 22.9469, 42.7007,
13.1990

■ 24.5434, 43.4547,
16.3932

■ 26.7491, 44.5058,
20.3857

■ 29.6197, 45.8814,
25.2255

■ 33.2041, 47.6061,
30.9576

■ 37.5469, 49.7019,
37.6238

■ 42.6888, 52.1889,
45.2635

■ 48.6677, 55.0858,
53.9134

Harmonies

Analogous

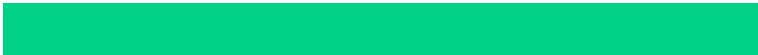
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.0463, 41.9265, 2.9564



21.2696, 41.9265, 8.9791



16.9992, 41.9265, 30.4423

Triad

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



21.2696, 41.9265, 8.9791



34.1085, 41.9265, 193.3870



75.8626, 41.9265, 23.4071

Complementary

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



21.2696, 41.9265, 8.9791



30.5211, 14.9911, 35.0013

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.



77.3139, 41.9265, 65.2314



21.2696, 41.9265, 8.9791



50.1778, 41.9265, 186.4323

Square

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



21.2696, 41.9265, 8.9791



23.0024, 41.9265, 145.6274



66.9559, 41.9265, 130.2811



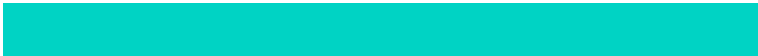
63.3956, 41.9265, 6.7166

Rectangle

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



21.2696, 41.9265, 8.9791



16.8388, 41.9265, 59.5541



66.9559, 41.9265, 130.2811



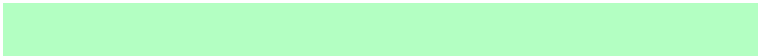
77.7564, 41.9265, 34.0996

Sweetspot

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



21.2706, 41.9283, 8.9801



63.9419, 84.9270, 63.9005



36.2289, 49.6838, 7.6805



12.9761, 17.8350, 12.5965



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.



21.2706, 41.9283, 8.9801



36.3522, 71.7569, 15.0382



25.4282, 43.5913, 30.8735



10.5823, 11.9218, 11.7508



13.4001, 26.3724, 5.7853



0.6608, 1.2592, 0.4123

Inverse Universe

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



30.5211, 14.9911, 35.0013



52.1685, 25.6314, 59.4787



25.0039, 12.7842, 5.9484



10.9891, 10.7790, 12.9260



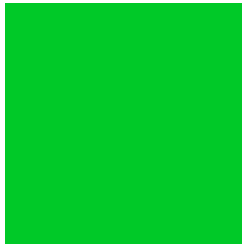
19.2228, 9.4387, 22.1809



0.9339, 0.4564, 1.1751

Previews

White Background



This preview shows how the XYZ color 21.2696, 41.9265, 8.9791 looks on a white background.

Color Contrast Check

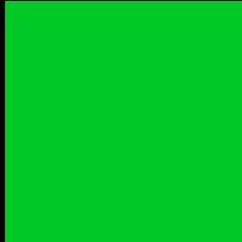
Large Text (above 18pt) WCAG AA × Fail

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 21.2696, 41.9265, 8.9791 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 21.2696, 41.9265, 8.9791

Background



This preview shows how black text looks on a background with the XYZ color 21.2696, 41.9265, 8.9791.



This preview shows how white text looks on a background with the XYZ color 21.2696, 41.9265,

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

21.2696, 41.9265, 8.9791

Protanopia

37.0194, 40.9523, 7.3923

Deuteranopia

41.8852, 40.9469, 9.6989



Tritanopia

31.9983, 41.6439, 62.2287

Trichromacy



Original Color

21.2696, 41.9265, 8.9791



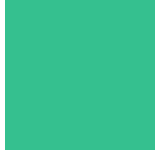
Protanomaly

25.4203, 38.2053, 7.7036



Deuteranomaly

26.6362, 37.0017, 8.8701



Tritanomaly

25.2758, 40.4393, 32.4600

Monochromacy



Original Color

21.2696, 41.9265, 8.9791



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.1843, 24.5432, 14.2402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2696, 41.9265, 8.9791 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, 201, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 40)  
}
```

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, 201, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 40) }
```

Border

The CSS property to change the border of an element to XYZ 21.2696, 41.9265, 8.9791 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, 201, 40) }
```


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

```
.border{ border-color:rgb(0, 201, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 40);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2696, 41.9265, 8.9791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 40) }
```

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

```
.background{ background-color: rgb(0, 201,  
40) }
```

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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