

Converting Colors

XYZ(21.5935, 43.1860, 7.2011)

Have a look what the booklet for
XYZ(21.5935, 43.1860, 7.2011)
contains.

XYZ(21.5929, 43.1857, 7.1976)	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(21.5929, 43.1857,
7.1976)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC00
RGB	0, 204, 0
RGB Percent	0%, 80%, 0%
CMY	1.0000, 0.2000, 0.9999
CMYK	1.00, 0.00, 1.00, 0.20
HSL	120°, 100%, 40%
HSV	120°, 100%, 80%
XYZ	21.5929, 43.1857, 7.1976
YIQ	119.7480, -56.1000, -106.6920

Conversions

Conversions Part 2

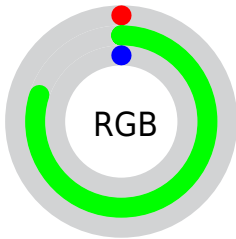
Format	Color
RYB	0, 204, 204
Decimal	52224
CIELab	71.68, -72.84, 70.31
CIELCh	72, 101.239, 136.016
Yxy	43.1857, 0.3000, 0.6000
Android (android.graphics.Color)	4278242304 (0xFF00CC00)
YUV	119.7480, -59.0358, -105.0190
Hunter-Lab	65.7158, -56.3512, 39.5073

Details

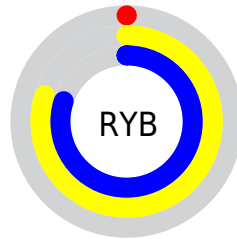
The XYZ color **21.5929, 43.1857, 7.1976** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **35.8003, 17.1969, 58.5503**, and the grayscale version is **17.9697, 18.9055, 20.5881**.

A 20% lighter version of the original color is **43.0709, 75.1173, 20.0136**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.5938, 43.1874, 7.1984**, and if you desaturate by 10%, it is **22.0206, 43.3924, 7.8967**.

Distribution



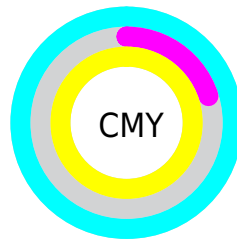
- Red (0%)
- Green (80%)
- Blue (0%)



- Red (0%)
- Yellow (80%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5929, 43.1857, 7.1976 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 21.5929, 43.1857, 7.1976 by changing the saturation by 10% instead.


 21.5929, 43.1857,
7.1976


 21.5929, 43.1857,
7.1976


253.0854,
359.3749, 178.9884


 13.6730, 30.0308,
3.5057

 45.5561, 79.9910,
20.8892


 7.9738, 19.8620,
1.3583


 62.3301, 104.4103,
31.7260

 4.1298, 12.2948,
0.1088


 82.7862, 133.3531,
45.7815

 1.7758, 6.9448,
0.0000

 107.2897,
167.2039, 63.4743

 0.5031, 3.4276,
0.0000

 136.2061,
206.3471, 85.2228

 0.0000, 1.3588,
0.0000

 169.9006,

 0.0000, 0.1861,

251.1671, 111.4456

0.0000

208.7385,
302.0482, 142.5613

■ 0.0000, 0.0000,
0.0000

■ 21.5929, 43.1857,
7.1976

■ 21.5929, 43.1857,
7.1976

■ 21.5938, 43.1874,
7.1984

■ 22.0206, 43.3924,
7.8967

■ 22.8976, 43.8137,
9.3315

■ 24.3791, 44.5254,
11.7552

■ 26.5478, 45.5671,
15.3027

■ 29.4731, 46.9722,
20.0877

■ 33.2162, 48.7703,
26.2103

■ 37.8320, 50.9874,
33.7601

■ 43.3705, 53.6479,
42.8192

■ 49.8782, 56.7739,
53.4632

Harmonies

Analogous

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



32.6018, 43.1857, 2.1270



21.5929, 43.1857, 7.1976



16.6374, 43.1857, 27.6880

Triad

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



21.5929, 43.1857, 7.1976



33.5803, 43.1857, 211.1669



81.6168, 43.1857, 25.4766

Complementary

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



21.5929, 43.1857, 7.1976



35.8003, 17.1969, 58.5503

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.



82.0964, 43.1857, 73.7447



21.5929, 43.1857, 7.1976



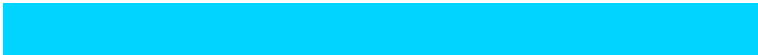
50.8369, 43.1857, 208.8158

Square

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



21.5929, 43.1857, 7.1976



22.1363, 43.1857, 153.0112



69.6500, 43.1857, 147.8687



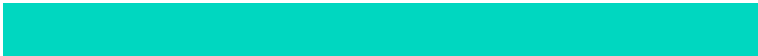
68.4800, 43.1857, 6.5409

Rectangle

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



21.5929, 43.1857, 7.1976



16.2053, 43.1857, 57.6338



69.6500, 43.1857, 147.8687



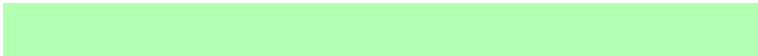
83.3664, 43.1857, 37.7997

Sweetspot

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



21.5939, 43.1875, 7.1986



62.3219, 84.2790, 55.3694



46.4965, 56.0253, 8.3635



12.6071, 17.6874, 10.6534



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.



21.5939, 43.1875, 7.1986



35.7601, 71.5200, 11.9206



23.9923, 44.1468, 19.8282



11.0681, 12.5370, 11.9162



13.5909, 27.1817, 4.5307



0.7012, 1.4023, 0.2338

Inverse Universe

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



35.8003, 17.1969, 58.5503



59.2865, 28.4786, 96.9613



27.3014, 13.7974, 13.7958



11.6876, 11.4038, 14.1553



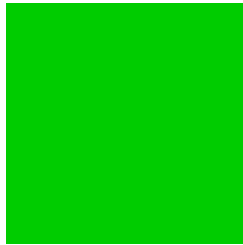
22.5322, 10.8235, 36.8510



1.1624, 0.5584, 1.9012

Previews

White Background



This preview shows how the XYZ color 21.5929, 43.1857, 7.1976 looks on a white background.

Color Contrast Check

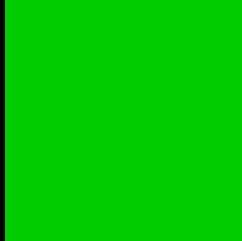
Large Text (above 18pt) WCAG AA × Fail

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 21.5929, 43.1857, 7.1976 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

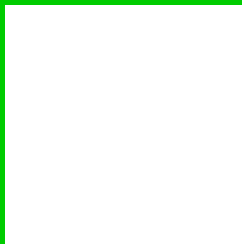
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5929, 43.1857, 7.1976

Background



This preview shows how black text looks on a background with the XYZ color 21.5929, 43.1857, 7.1976.



This preview shows how white text looks on a background with the XYZ color 21.5929, 43.1857,

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

21.5929, 43.1857, 7.1976

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

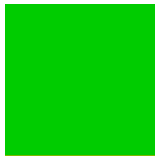
43.1232, 42.1522, 8.2462



Tritanopia

33.2707, 43.2131, 64.3450

Trichromacy



Original Color

21.5929, 43.1857, 7.1976



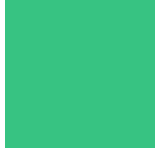
Protanomaly

26.0164, 39.4778, 6.2488



Deuteranomaly

26.9772, 37.8130, 6.9754



Tritanomaly

25.1199, 41.4541, 27.7966

Monochromacy



Original Color

21.5929, 43.1857, 7.1976



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.3516, 24.1915, 10.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5929, 43.1857, 7.1976 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 0)  
}
```

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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5929, 43.1857, 7.1976 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, 204, 0) }
```


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

```
.border{ border-color:rgb(0, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 204, 0); box-shadow:4px  
4px 4px 4px rgb(0, 204, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5929, 43.1857, 7.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 0) }
```

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

```
.background{ background-color: rgb(0, 204,  
0) }
```

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