

Converting Colors

XYZ(21.6424, 43.2113, 7.1999)

Have a look what the booklet for
XYZ(21.6424, 43.2113, 7.1999)
contains.

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Color

**XYZ(21.6429, 43.2115,
7.2000)**

Conversions

Conversions Part 1

Format	Color
Hex	04CC00
RGB	4, 204, 0
RGB Percent	2%, 80%, 0%
CMY	0.9843, 0.2000, 0.9999
CMYK	0.98, 0.00, 1.00, 0.20
HSL	119°, 100%, 40%
HSV	119°, 100%, 80%
XYZ	21.6429, 43.2115, 7.2000
YIQ	120.9440, -53.7160, -105.8440

Conversions

Conversions Part 2

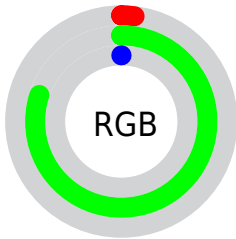
Format	Color
RYB	0, 204, 200
Decimal	314368
CIELab	71.70, -72.68, 70.33
CIELCh	72, 101.139, 135.944
Yxy	43.2115, 0.3004, 0.5997
Android (android.graphics.Color)	4278504448 (0xFF04CC00)
YUV	120.9440, -59.6254, -102.5599
Hunter-Lab	65.7355, -56.2673, 39.5208

Details

The XYZ color **21.6429, 43.2115, 7.2000** 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 **34.7275, 16.6440, 58.5113**, and the grayscale version is **18.3565, 19.3125, 21.0313**.

A 20% lighter version of the original color is **43.1891, 75.1783, 20.0191**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.6435, 43.2131, 7.2002**, and if you desaturate by 10%, it is **22.1005, 43.4337, 7.9006**.

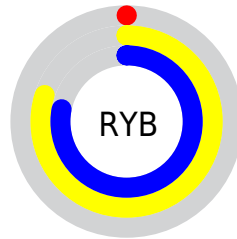
Distribution



Red (2%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (78%)

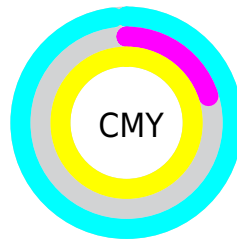


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (98%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6429, 43.2115, 7.2000 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 21.6429, 43.2115, 7.2000 by changing the saturation by 10% instead.


 21.6429, 43.2115,
7.2000


 21.6429, 43.2115,
7.2000


253.3433,
359.4808, 179.0089


 13.7099, 30.0511,
3.5072


 45.6383, 80.0299,
20.8941


 7.9995, 19.8774,
1.3591


 62.4315, 104.4567,
31.7325

 4.1464, 12.3059,
0.1095


 82.9087, 133.4078,
45.7898

 1.7853, 6.9524,
0.0000

 107.4353,
167.2675, 63.4845

 0.5088, 3.4323,
0.0000

 136.3767,
206.4203, 85.2352

 0.0000, 1.3614,
0.0000

 170.0983,

 0.0000, 0.1880,

251.2505, 111.4605

0.0000

208.9653,
302.1426, 142.5789

■ 0.0000, 0.0000,
0.0000

■ 21.6429, 43.2115,
7.2000

■ 21.6429, 43.2115,
7.2000

■ 21.6435, 43.2131,
7.2002

■ 22.1005, 43.4337,
7.9006

■ 23.0298, 43.8819,
9.3382

■ 24.5569, 44.6170,
11.7646

■ 26.7596, 45.6762,
15.3144

■ 29.7038, 47.0911,
20.1013

■ 33.4476, 48.8895,
26.2252

■ 38.0435, 51.0964,
33.7757

■ 43.5395, 53.7348,
42.8346

■ 49.9797, 56.8260,
53.4777

Harmonies

Analogous

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



32.6645, 43.2115, 2.1379



21.6429, 43.2115, 7.2000



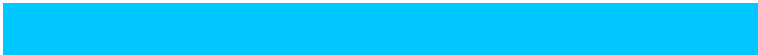
16.6737, 43.2115, 27.6434

Triad

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



21.6429, 43.2115, 7.2000



33.5738, 43.2115, 210.9182



81.6237, 43.2115, 25.5880

Complementary

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



21.6429, 43.2115, 7.2000



34.7275, 16.6440, 58.5113

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.



82.0691, 43.2115, 73.9065



21.6429, 43.2115, 7.2000



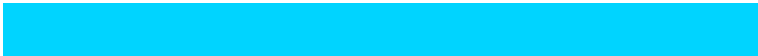
50.8091, 43.2115, 208.7360

Square

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



21.6429, 43.2115, 7.2000



22.1480, 43.2115, 152.7451



69.6107, 43.2115, 147.9713



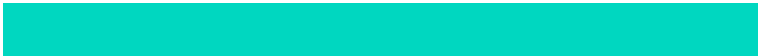
68.5242, 43.2115, 6.5886

Rectangle

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



21.6429, 43.2115, 7.2000



16.2337, 43.2115, 57.5205



69.6107, 43.2115, 147.9713



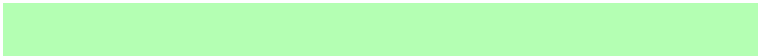
83.3604, 43.2115, 37.9341

Sweetspot

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



21.6439, 43.2133, 7.2010



62.6662, 84.4566, 55.3821



44.9156, 52.8633, 7.8371



12.6847, 17.7274, 10.6562



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.



21.6439, 43.2133, 7.2010



35.8222, 71.5520, 11.9229



23.6694, 44.0177, 18.1266



11.0879, 12.5472, 11.9169



13.6312, 27.2025, 4.5322



0.7105, 1.4071, 0.2341

Inverse Universe

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



34.7275, 16.6440, 58.5113



57.4864, 27.5502, 96.8956



27.6534, 13.9385, 15.6484



11.6651, 11.3922, 14.1545



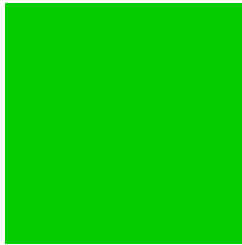
21.8666, 10.4802, 36.8266



1.1351, 0.5443, 1.9002

Previews

White Background



This preview shows how the XYZ color 21.6429, 43.2115, 7.2000 looks on a white background.

Color Contrast Check

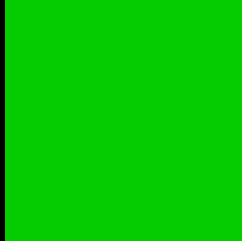
Large Text (above 18pt) WCAG AA × Fail

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 21.6429, 43.2115, 7.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

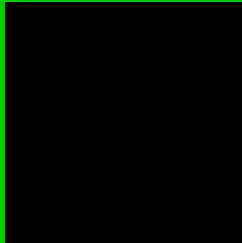
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6429, 43.2115, 7.2000

Background



This preview shows how black text looks on a background with the XYZ color 21.6429, 43.2115, 7.2000.



This preview shows how white text looks on a background with the XYZ color 21.6429, 43.2115,

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

21.6429, 43.2115, 7.2000

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

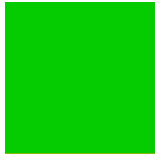
43.1232, 42.1522, 8.2462



Tritanopia

33.2707, 43.2131, 64.3450

Trichromacy



Original Color

21.6429, 43.2115, 7.2000



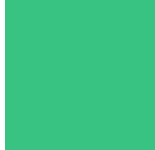
Protanomaly

26.3113, 39.6298, 6.2626



Deuteranomaly

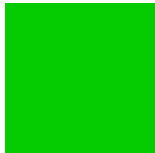
27.3142, 37.9868, 6.9912



Tritanomaly

25.1753, 41.4827, 27.7992

Monochromacy



Original Color

21.6429, 43.2115, 7.2000



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.5480, 24.2887, 10.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6429, 43.2115, 7.2000 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(4, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 204, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.6429, 43.2115, 7.2000 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(4, 204, 0) }
```


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

```
.border{ border-color:rgb(4, 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(4, 204, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.6429, 43.2115, 7.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 204, 0) }
```

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

```
.background{ background-color: rgb(4, 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](#).

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