

Converting Colors

XYZ(21.7634, 43.2736, 7.2056)

Have a look what the booklet for
XYZ(21.7634, 43.2736, 7.2056)
contains.

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Color

**XYZ(21.7588, 43.2713,
7.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	0DCC00
RGB	13, 204, 0
RGB Percent	5%, 80%, 0%
CMY	0.9490, 0.2000, 0.9999
CMYK	0.94, 0.00, 1.00, 0.20
HSL	116°, 100%, 40%
HSV	116°, 100%, 80%
XYZ	21.7588, 43.2713, 7.2054
YIQ	123.6350, -48.3520, -103.9360

Conversions

Conversions Part 2

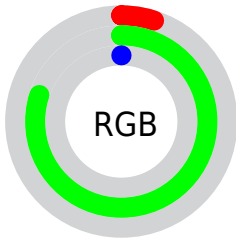
Format	Color
RYB	0, 204, 191
Decimal	904192
CIELab	71.74, -72.32, 70.38
CIELCh	72, 100.908, 135.778
Yxy	43.2713, 0.3012, 0.5990
Android (android.graphics.Color)	4279094272 (0xFF0DCC00)
YUV	123.6350, -60.9521, -97.0269
Hunter-Lab	65.7809, -56.0730, 39.5522

Details

The XYZ color **21.7588, 43.2713, 7.2054** 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 **32.3937, 15.4409, 58.4021**, and the grayscale version is **19.2458, 20.2481, 22.0502**.

A 20% lighter version of the original color is **43.4295, 75.3022, 20.0304**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.7593, 43.2729, 7.2057**, and if you desaturate by 10%, it is **22.3226, 43.5482, 7.9109**.

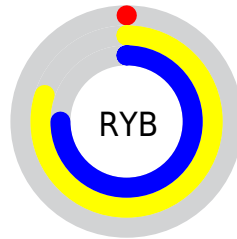
Distribution



Red (5%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (75%)

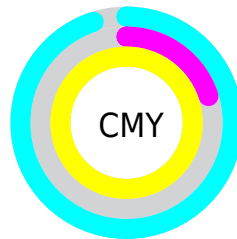


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (95%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7588, 43.2713, 7.2054 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 21.7588, 43.2713, 7.2054 by changing the saturation by 10% instead.


 21.7588, 43.2713,
7.2054


 21.7588, 43.2713,
7.2054


253.9402,
359.7263, 179.0548


 13.7954, 30.0980,
3.5105


 45.8288, 80.1201,
20.9051

 8.0592, 19.9130,
1.3608


 62.6662, 104.5644,
31.7470

 4.1850, 12.3318,
0.1109


 83.1922, 133.5346,
45.8083

 1.8073, 6.9701,
0.0000

 107.7723,
167.4149, 63.5075

 0.5221, 3.4434,
0.0000

 136.7718,
206.5899, 85.2633

 0.0000, 1.3674,
0.0000

 170.5560,

 0.0000, 0.1925,

251.4438, 111.4941

0.0000

209.4904,
302.3612, 142.6184

■ 0.0000, 0.0000,
0.0000

■ 21.7588, 43.2713,
7.2054

■ 21.7588, 43.2713,
7.2054

■ 21.7593, 43.2729,
7.2057

■ 22.3226, 43.5482,
7.9109

■ 23.3664, 44.0554,
9.3538

■ 24.9900, 44.8403,
11.7847

■ 27.2616, 45.9351,
15.3377

■ 30.2400, 47.3676,
20.1261

■ 33.9772, 49.1626,
26.2497

■ 38.5205, 51.3423,
33.7976

■ 43.9132, 53.9276,
42.8516

■ 50.1955, 56.9373,
53.4873

Harmonies

Analogous

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



32.8100, 43.2713, 2.1632



21.7588, 43.2713, 7.2054



16.7578, 43.2713, 27.5400

Triad

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



21.7588, 43.2713, 7.2054



33.5585, 43.2713, 210.3457



81.6404, 43.2713, 25.8468

Complementary

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



21.7588, 43.2713, 7.2054



32.3937, 15.4409, 58.4021

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.



82.0064, 43.2713, 74.2824



21.7588, 43.2713, 7.2054



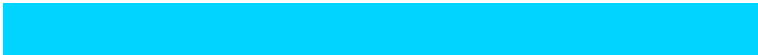
50.7451, 43.2713, 208.5539

Square

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



21.7588, 43.2713, 7.2054



22.1750, 43.2713, 152.1318



69.5201, 43.2713, 148.2104



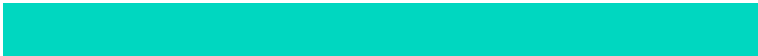
68.6268, 43.2713, 6.6999

Rectangle

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



21.7588, 43.2713, 7.2054



16.2994, 43.2713, 57.2590



69.5201, 43.2713, 148.2104



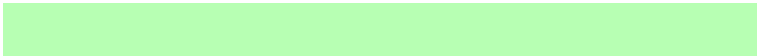
83.3471, 43.2713, 38.2461

Sweetspot

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



21.7598, 43.2731, 7.2064



63.4615, 84.8666, 55.4193



43.4043, 49.8406, 7.3332



12.8647, 17.8202, 10.6647



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.



21.7598, 43.2731, 7.2064



35.9774, 71.6321, 11.9302



23.3728, 43.8992, 16.5645



11.1330, 12.5704, 11.9190



13.7228, 27.2497, 4.5364



0.7316, 1.4180, 0.2351

Inverse Universe

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



32.3937, 15.4409, 58.4021



53.5737, 25.5331, 96.7125



28.0330, 14.0904, 17.6473



11.6144, 11.3660, 14.1521



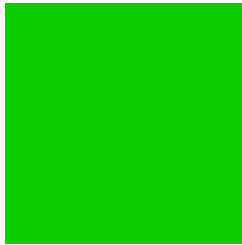
20.4178, 9.7333, 36.7589



1.0751, 0.5134, 1.8974

Previews

White Background



This preview shows how the XYZ color 21.7588, 43.2713, 7.2054 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 21.7588, 43.2713, 7.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

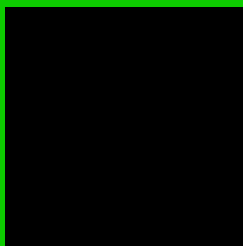
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

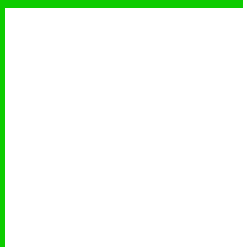
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7588, 43.2713, 7.2054

Background



This preview shows how black text looks on a background with the XYZ color 21.7588, 43.2713, 7.2054.



This preview shows how white text looks on a background with the XYZ color 21.7588, 43.2713,

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

21.7588, 43.2713, 7.2054

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

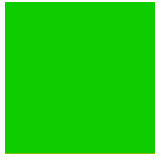
43.1232, 42.1522, 8.2462



Tritanopia

33.2707, 43.2131, 64.3450

Trichromacy



Original Color

21.7588, 43.2713, 7.2054



Protanomaly

26.7648, 39.8636, 6.2838



Deuteranomaly

27.8313, 38.2533, 7.0154



Tritanomaly

25.3480, 41.5717, 27.8073

Monochromacy



Original Color

21.7588, 43.2713, 7.2054



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.4587, 25.2318, 11.3999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7588, 43.2713, 7.2054 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(13, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 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(13, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.7588, 43.2713, 7.2054 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(13, 204, 0) }
```


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

```
.border{ border-color:rgb(13, 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(13, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7588, 43.2713, 7.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 204, 0) }
```

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

```
.background{ background-color: rgb(13, 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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