

Converting Colors

XYZ(21.8598, 43.2925, 8.6033)

Have a look what the booklet for
XYZ(21.8598, 43.2925, 8.6033)
contains.

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Color

**XYZ(21.8536, 43.2900,
8.5705)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC20
RGB	0, 204, 32
RGB Percent	0%, 80%, 13%
CMY	1.0000, 0.2000, 0.8745
CMYK	1.00, 0.00, 0.84, 0.20
HSL	129°, 100%, 40%
HSV	129°, 100%, 80%
XYZ	21.8536, 43.2900, 8.5705
YIQ	123.3960, -66.3720, -96.7400

Conversions

Conversions Part 2

Format	Color
RYB	0, 176, 204
Decimal	52256
CIELab	71.75, -71.93, 65.58
CIELCh	72, 97.337, 137.641
Yxy	43.2900, 0.2965, 0.5873
Android (android.graphics.Color)	4278242336 (0xFF00CC20)
YUV	123.3960, -45.0582, -108.2183
Hunter-Lab	65.7951, -55.8534, 38.3335

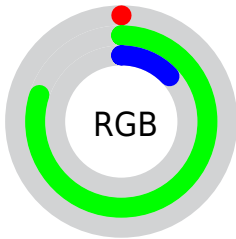
Details

The XYZ color **21.8536, 43.2900, 8.5705** is a dark color, and the websafe version is hex **00CC00**.

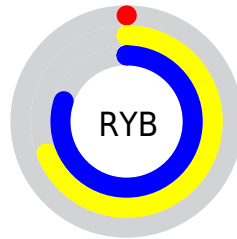
The color can be described as dark washed green. A complement of this color would be **32.3491, 15.8165, 40.3769**, and the grayscale version is **19.1195, 20.1152, 21.9054**.

A 20% lighter version of the original color is **43.6061, 75.3314, 22.8318**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.8545, 43.2917, 8.5712**, and if you desaturate by 10%, it is **22.4493, 43.5640, 10.1544**.

Distribution



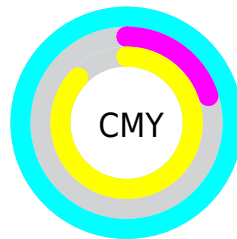
- Red (0%)
- Green (80%)
- Blue (13%)



- Red (0%)
- Yellow (69%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8536, 43.2900, 8.5705 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 21.8536, 43.2900, 8.5705 by changing the saturation by 10% instead.


 21.8536, 43.2900,
8.5705


 21.8536, 43.2900,
8.5705


254.4275,
359.8030, 190.2393


 13.8654, 30.1127,
4.3691


 45.9846, 80.1483,
23.6339


 8.1082, 19.9242,
1.8300


 62.8580, 104.5981,
35.3329

 4.2166, 12.3399,
0.4476


 83.4239, 133.5742,
50.3684

 1.8254, 6.9756,
0.0000

 108.0476,
167.4610, 69.1587

 0.5329, 3.4469,
0.0000

 137.0945,
206.6429, 92.1223

 0.0000, 1.3692,
0.0000

 170.9298,

 0.0000, 0.1939,

251.5043, 119.6780

0.0000

209.9191,
302.4295, 152.2441

■ 0.0000, 0.0000,
0.0000

■ 21.8536, 43.2900,
8.5705

■ 21.8536, 43.2900,
8.5705

■ 21.8545, 43.2917,
8.5712

■ 22.4493, 43.5640,
10.1544

■ 23.4959, 44.0530,
12.4825

■ 25.1158, 44.8200,
15.6348

■ 27.3788, 45.8995,
19.6793

■ 30.3444, 47.3208,
24.6767

■ 34.0653, 49.1099,
30.6823

■ 38.5890, 51.2902,
37.7474

■ 43.9591, 53.8833,
45.9196

■ 50.2161, 56.9090,
55.2437

Harmonies

Analogous

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



32.2504, 43.2900, 2.7299



21.8536, 43.2900, 8.5705



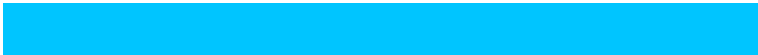
17.2629, 43.2900, 30.2220

Triad

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



21.8536, 43.2900, 8.5705



34.7145, 43.2900, 203.5487



79.4484, 43.2900, 24.5912

Complementary

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



21.8536, 43.2900, 8.5705



32.3491, 15.8165, 40.3769

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.



80.6292, 43.2900, 69.4113



21.8536, 43.2900, 8.5705



51.5429, 43.2900, 197.8481

Square

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



21.8536, 43.2900, 8.5705



23.2396, 43.2900, 151.3833



69.3653, 43.2900, 138.8409



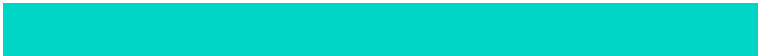
66.4742, 43.2900, 6.8050

Rectangle

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



21.8536, 43.2900, 8.5705



17.0096, 43.2900, 60.2966



69.3653, 43.2900, 138.8409



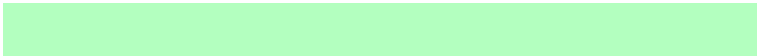
81.3423, 43.2900, 36.0440

Sweetspot

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



21.8546, 43.2918, 8.5715



63.5843, 84.7839, 62.0170



38.9167, 52.1178, 8.0087



12.8939, 17.8021, 12.1640



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.



21.8546, 43.2918, 8.5715



36.1431, 71.6732, 13.9374



25.8001, 44.8700, 29.3481



11.1386, 12.5652, 12.2874



13.7773, 27.2562, 5.5124



0.7340, 1.4154, 0.4068

Inverse Universe

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



32.3491, 15.8165, 40.3769



53.5049, 26.1660, 66.5161



26.0532, 13.2981, 7.2231



11.6090, 11.3723, 13.7415



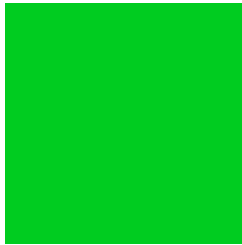
20.3884, 9.9660, 25.5618



1.0727, 0.5225, 1.4286

Previews

White Background



This preview shows how the XYZ color 21.8536, 43.2900, 8.5705 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 21.8536, 43.2900, 8.5705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

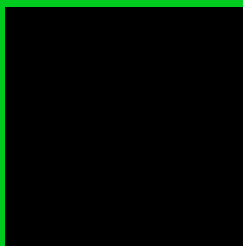
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

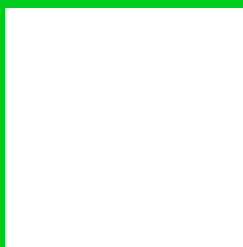
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8536, 43.2900, 8.5705

Background



This preview shows how black text looks on a background with the XYZ color 21.8536, 43.2900, 8.5705.



This preview shows how white text looks on a background with the XYZ color 21.8536, 43.2900,

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

21.8536, 43.2900, 8.5705

Protanopia

38.2598, 42.4617, 7.0436

Deuteranopia

43.1923, 42.4349, 9.2824



Tritanopia

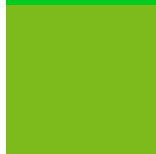
33.1792, 43.1660, 64.3407

Trichromacy



Original Color

21.8536, 43.2900, 8.5705



Protanomaly

26.2142, 39.5569, 7.2905



Deuteranomaly

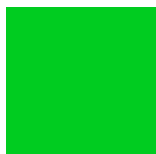
27.4424, 38.3209, 8.4329



Tritanomaly

25.9189, 41.7675, 32.2870

Monochromacy



Original Color

21.8536, 43.2900, 8.5705



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.2156, 24.8144, 13.6079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8536, 43.2900, 8.5705 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 32) }
```

Border

The CSS property to change the border of an element to XYZ 21.8536, 43.2900, 8.5705 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, 32) }
```


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

```
.border{ border-color:rgb(0, 204, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8536, 43.2900, 8.5705 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, 32) }
```

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

```
.background{ background-color: rgb(0, 204,  
32) }
```

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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