

Converting Colors

XYZ(22.2691, 41.6064, 5.4262)

Have a look what the booklet for
XYZ(22.2691, 41.6064, 5.4262)
contains.

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Color

**XYZ(22.4409, 41.5464,
6.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	42C600
RGB	66, 198, 0
RGB Percent	26%, 78%, 0%
CMY	0.7412, 0.2235, 0.9999
CMYK	0.67, 0.00, 1.00, 0.22
HSL	100°, 100%, 39%
HSV	100°, 100%, 78%
XYZ	22.4409, 41.5464, 6.8365
YIQ	135.9600, -15.1140, -89.5620

Conversions

Conversions Part 2

Format	Color
RYB	0, 198, 132
Decimal	4376064
CIELab	70.56, -64.06, 69.74
CIELCh	71, 94.698, 132.567
Yxy	41.5464, 0.3169, 0.5866
Android (android.graphics.Color)	4282566144 (0xFF42C600)
YUV	135.9600, -67.0283, -61.3549
Hunter-Lab	64.4565, -50.6531, 38.8310

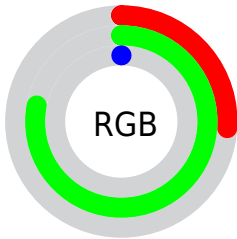
Details

The XYZ color **22.4409, 41.5464, 6.8365** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **19.7133, 8.9854, 54.1236**, and the grayscale version is **23.6360, 24.8670, 27.0801**.

A 20% lighter version of the original color is **46.7237, 77.0047, 19.9902**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **22.4407, 41.5476, 6.8367**, and if you desaturate by 10%, it is **23.5609, 42.1107, 7.5399**.

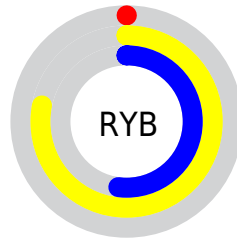
Distribution



Red (26%)

Green (78%)

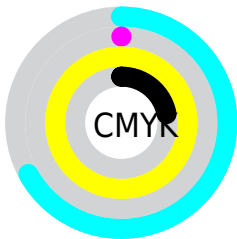
Blue (0%)



Red (0%)

Yellow (78%)

Blue (52%)

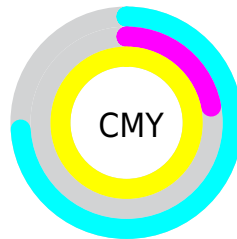


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (74%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4409, 41.5464, 6.8365 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 22.4409, 41.5464, 6.8365 by changing the saturation by 10% instead.


 22.4409, 41.5464,
6.8365


 22.4409, 41.5464,
6.8365


257.4295,
352.5991, 175.8772


 14.2996, 28.7463,
3.2832


 46.9471, 77.5127,
20.1508

 8.4125, 18.8890,
1.2410


 64.0427, 101.4476,
30.7488

 4.4140, 11.5901,
0.0127


 84.8539, 129.8629,
44.5321

 1.9389, 6.4652,
0.0000

 109.7458,
163.1430, 61.9193

 0.5993, 3.1300,
0.0000

 139.0840,
201.6723, 83.3288

 0.0000, 1.2000,
0.0000

 173.2338,

 0.0000, 0.0617,

245.8351, 109.1793

0.0000

212.5605,
296.0159, 139.8893

■ 0.0000, 0.0000,
0.0000

■ 22.4409, 41.5464,
6.8365

■ 22.4409, 41.5464,
6.8365

■ 22.4407, 41.5476,
6.8367

■ 23.5609, 42.1107,
7.5399

■ 25.0257, 42.8367,
8.9233

■ 26.8925, 43.7501,
11.2227

■ 29.1958, 44.8660,
14.5611

■ 31.9654, 46.1974,
19.0426

■ 35.2285, 47.7565,
24.7587

■ 39.0097, 49.5540,
31.7914

■ 43.3320, 51.6003,
40.2159

■ 48.2168, 53.9047,
50.1016

Harmonies

Analogous

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



33.3010, 41.5464, 2.4950



22.4409, 41.5464, 6.8365



17.1870, 41.5464, 24.0309

Triad

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



22.4409, 41.5464, 6.8365



31.1476, 41.5464, 187.1751



76.7088, 41.5464, 28.9682

Complementary

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



22.4409, 41.5464, 6.8365



19.7133, 8.9854, 54.1236

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.



75.6845, 41.5464, 76.2528



22.4409, 41.5464, 6.8365



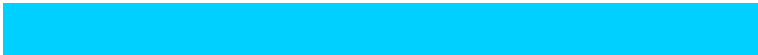
46.3988, 41.5464, 192.0957

Square

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



22.4409, 41.5464, 6.8365



21.2248, 41.5464, 132.0718



63.5210, 41.5464, 142.9188



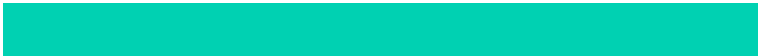
66.0322, 41.5464, 8.4111

Rectangle

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



22.4409, 41.5464, 6.8365



16.4227, 41.5464, 49.2038



63.5210, 41.5464, 142.9188



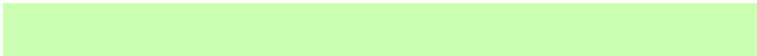
77.7883, 41.5464, 41.4893

Sweetspot

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



22.4419, 41.5482, 6.8374



68.7464, 87.5910, 55.6666



31.5424, 28.5115, 3.8414



14.0807, 18.4471, 10.7216



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.



22.4419, 41.5482, 6.8374



39.5045, 73.4504, 12.0952



20.4700, 40.4999, 8.1786



10.8250, 12.0567, 11.3194



14.6749, 27.0605, 4.4498



0.7720, 1.3211, 0.2143

Inverse Universe

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



19.7133, 8.9854, 54.1236



34.6318, 15.7682, 95.8260



30.0820, 14.7236, 36.8570



10.7264, 10.6327, 13.4045



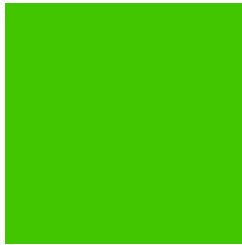
12.9124, 5.8908, 35.2008



0.6859, 0.3173, 1.6702

Previews

White Background



This preview shows how the XYZ color 22.4409, 41.5464, 6.8365 looks on a white background.

Color Contrast Check

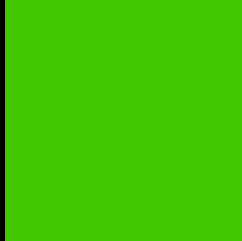
Large Text (above 18pt) WCAG AA × Fail

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 22.4409, 41.5464, 6.8365 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 22.4409, 41.5464, 6.8365

Background



This preview shows how black text looks on a background with the XYZ color 22.4409, 41.5464, 6.8365.



This preview shows how white text looks on a background with the XYZ color 22.4409, 41.5464,

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

22.4409, 41.5464, 6.8365

Protanopia

36.7448, 40.8425, 5.9467

Deuteranopia

41.3626, 40.4549, 7.8190



Tritanopia

33.0428, 41.2881, 60.2607

Trichromacy



Original Color

22.4409, 41.5464, 6.8365



Protanomaly

28.5565, 39.2508, 6.0711



Deuteranomaly

30.2257, 38.3161, 6.8396



Tritanomaly

26.2448, 40.1012, 26.4357

Monochromacy



Original Color

22.4409, 41.5464, 6.8365



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.6740, 28.8639, 13.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4409, 41.5464, 6.8365 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(66, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 198, 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(66, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4409, 41.5464, 6.8365 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(66, 198, 0) }
```


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

```
.border{ border-color:rgb(66, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 198, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4409, 41.5464, 6.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 198, 0) }
```

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

```
.background{ background-color: rgb(66, 198,  
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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