

Converting Colors

XYZ(22.3615, 41.3535, 3.3321)

Have a look what the booklet for
XYZ(22.3615, 41.3535, 3.3321)
contains.

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Color

**XYZ(22.9467, 41.4690,
6.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC500
RGB	76, 197, 0
RGB Percent	30%, 77%, 0%
CMY	0.7020, 0.2274, 0.9999
CMYK	0.61, 0.00, 1.00, 0.23
HSL	97°, 100%, 39%
HSV	97°, 100%, 77%
XYZ	22.9467, 41.4690, 6.7949
YIQ	138.3630, -8.8790, -86.9190

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 121
Decimal	5031168
CIELab	70.50, -61.52, 69.81
CIELCh	71, 93.053, 131.388
Yxy	41.4690, 0.3222, 0.5823
Android (android.graphics.Color)	4283221248 (0xFF4CC500)
YUV	138.3630, -68.2130, -54.6924
Hunter-Lab	64.3964, -49.0880, 38.8214

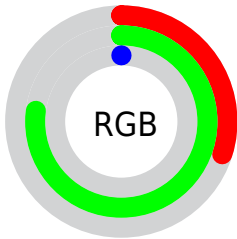
Details

The XYZ color **22.9467, 41.4690, 6.7949** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **17.9676, 8.0987, 53.4418**, and the grayscale version is **24.5535, 25.8322, 28.1313**.

A 20% lighter version of the original color is **47.8554, 77.5882, 20.0432**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **22.9465, 41.4702, 6.7951**, and if you desaturate by 10%, it is **24.1250, 42.0634, 7.4965**.

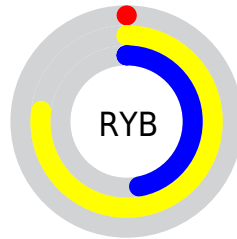
Distribution



Red (30%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (47%)

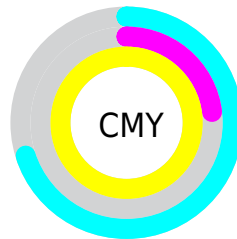


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (70%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9467, 41.4690, 6.7949 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 22.9467, 41.4690, 6.7949 by changing the saturation by 10% instead.


 22.9467, 41.4690,
6.7949


 22.9467, 41.4690,
6.7949


259.9916,
352.2770, 175.5142


 14.6746, 28.6857,
3.2577


 47.7731, 77.3953,
20.0652


 8.6762, 18.8432,
1.2277


 65.0581, 101.3072,
30.6353

 4.5860, 11.5570,
0.0014


 86.0782, 129.6974,
44.3869

 2.0387, 6.4428,
0.0000

 111.1987,
162.9503, 61.7383

 0.6556, 3.1162,
0.0000

 140.7849,
201.4503, 83.1082

 0.0000, 1.1927,
0.0000

 175.2022,

 0.0000, 0.0557,

245.5818, 108.9152

0.0000

214.8160,
295.7293, 139.5776

■ 0.0000, 0.0000,
0.0000

■ 22.9467, 41.4690,
6.7949

■ 22.9467, 41.4690,
6.7949

■ 22.9465, 41.4702,
6.7951

■ 24.1250, 42.0634,
7.4965

■ 25.6184, 42.8044,
8.8682

■ 27.4806, 43.7160,
11.1441

■ 29.7430, 44.8116,
14.4454

■ 32.4326, 46.1029,
18.8747

■ 35.5739, 47.6005,
24.5224

■ 39.1890, 49.3142,
31.4693

■ 43.2988, 51.2530,
39.7895

■ 47.9226, 53.4253,
49.5515

Harmonies

Analogous

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



33.8708, 41.4690, 2.6449



22.9467, 41.4690, 6.7949



17.5414, 41.4690, 23.1935

Triad

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



22.9467, 41.4690, 6.7949



30.7268, 41.4690, 181.9398



75.9989, 41.4690, 30.4370

Complementary

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



22.9467, 41.4690, 6.7949



17.9676, 8.0987, 53.4418

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.



74.5177, 41.4690, 77.8547



22.9467, 41.4690, 6.7949



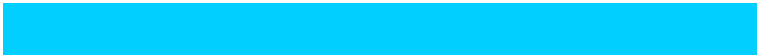
45.5335, 41.4690, 189.0092

Square

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



22.9467, 41.4690, 6.7949



21.1617, 41.4690, 127.2479



62.3219, 41.4690, 142.8720



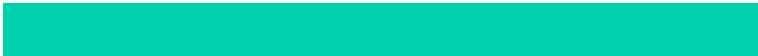
65.9593, 41.4690, 9.1559

Rectangle

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



22.9467, 41.4690, 6.7949



16.6619, 41.4690, 47.2303



62.3219, 41.4690, 142.8720



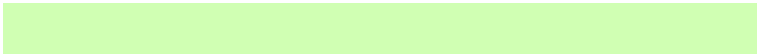
76.8889, 41.4690, 43.1369

Sweetspot

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



22.9477, 41.4708, 6.7958



69.8604, 88.1653, 55.7187



29.5304, 24.8775, 3.2460



14.3408, 18.5811, 10.7338



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.



22.9477, 41.4708, 6.7958



40.8354, 74.1365, 12.1575



20.0912, 39.9839, 7.3076



10.8778, 12.0840, 11.3219



15.1793, 27.3205, 4.4734



0.7994, 1.3352, 0.2156

Inverse Universe

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



17.9676, 8.0987, 53.4418



31.8855, 14.3524, 95.6975



30.9935, 15.0578, 43.0278



10.6716, 10.6045, 13.4019



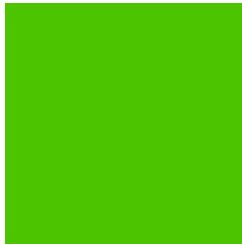
11.9123, 5.3753, 35.1540



0.6432, 0.2953, 1.6682

Previews

White Background



This preview shows how the XYZ color 22.9467, 41.4690, 6.7949 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 22.9467, 41.4690, 6.7949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

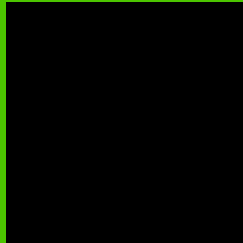
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.9467, 41.4690, 6.7949

Background



This preview shows how black text looks on a background with the XYZ color 22.9467, 41.4690, 6.7949.



This preview shows how white text looks on a background with the XYZ color 22.9467, 41.4690,

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

22.9467, 41.4690, 6.7949

Protanopia

36.7448, 40.8425, 5.9467

Deuteranopia

41.3449, 40.4478, 7.7259



Tritanopia

33.4332, 41.1954, 59.6155

Trichromacy



Original Color

22.9467, 41.4690, 6.7949



Protanomaly

29.1016, 39.5318, 6.0966



Deuteranomaly

30.8263, 38.6270, 6.8083



Tritanomaly

26.6789, 40.0142, 26.0561

Monochromacy



Original Color

22.9467, 41.4690, 6.7949



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.2298, 29.1457, 13.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9467, 41.4690, 6.7949 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(76, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 197, 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(76, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.9467, 41.4690, 6.7949 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(76, 197, 0) }
```


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

```
.border{ border-color:rgb(76, 197, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 197, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.9467, 41.4690, 6.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 197, 0) }
```

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

```
.background{ background-color: rgb(76, 197,  
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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