

Converting Colors

XYZ(22.1183, 39.7128, 6.4996)

Have a look what the booklet for
XYZ(22.1183, 39.7128, 6.4996)
contains.

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Color

**XYZ(22.1305, 39.7177,
6.4999)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC100
RGB	77, 193, 0
RGB Percent	30%, 76%, 0%
CMY	0.6980, 0.2431, 0.9999
CMYK	0.60, 0.00, 1.00, 0.24
HSL	96°, 100%, 38%
HSV	96°, 100%, 76%
XYZ	22.1305, 39.7177, 6.4999
YIQ	136.3140, -7.1830, -84.6150

Conversions

Conversions Part 2

Format	Color
RYB	0, 193, 116
Decimal	5095680
CIELab	69.27, -59.93, 68.85
CIELCh	69, 91.281, 131.040
Yxy	39.7177, 0.3238, 0.5811
Android (android.graphics.Color)	4283285760 (0xFF4DC100)
YUV	136.3140, -67.2028, -52.0184
Hunter-Lab	63.0220, -47.6073, 38.0004

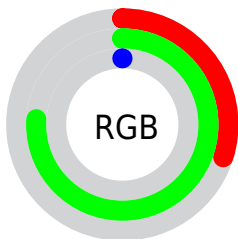
Details

The XYZ color **22.1305, 39.7177, 6.4999** 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 **16.8322, 7.5657, 51.0274**, and the grayscale version is **23.7679, 25.0056, 27.2311**.

A 20% lighter version of the original color is **46.2444, 74.4247, 19.3252**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **22.1303, 39.7188, 6.5001**, and if you desaturate by 10%, it is **23.2727, 40.2939, 7.1815**.

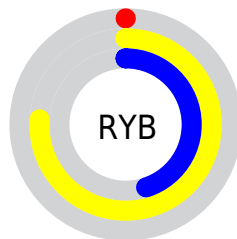
Distribution



Red (30%)

Green (76%)

Blue (0%)



Red (0%)

Yellow (76%)

Blue (45%)

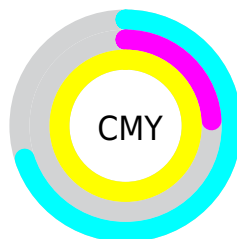


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (70%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1305, 39.7177, 6.4999 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 22.1305, 39.7177, 6.4999 by changing the saturation by 10% instead.


 22.1305, 39.7177,
6.4999


 22.1305, 39.7177,
6.4999


255.8466,
344.9323, 172.9112


 14.0700, 27.3185,
3.0777


 46.4388, 74.7334,
19.4553

 8.2514, 17.8126,
1.1344


 63.4173, 98.1188,
29.8255

 4.3094, 10.8155,
0.0000


 84.0992, 125.9350,
43.3489

 1.8786, 5.9429,
0.0000

 108.8498,
158.5664, 60.4439

 0.5644, 2.8104,
0.0000

 138.0345,
196.3974, 81.5291

 0.0000, 1.0336,
0.0000

 172.0186,

 0.0000, 0.0000,

239.8125, 107.0230

0.0000

211.1675,
289.1960, 137.3442

■ 22.1305, 39.7177,
6.4999

■ 22.1305, 39.7177,
6.4999

■ 22.1303, 39.7188,
6.5001

■ 23.2727, 40.2939,
7.1815

■ 24.7088, 41.0065,
8.4996

■ 26.4898, 41.8782,
10.6798

■ 28.6449, 42.9215,
13.8375

■ 31.1993, 44.1473,
18.0700

■ 34.1757, 45.5655,
23.4631

■ 37.5949, 47.1849,
30.0937

■ 41.4762, 49.0141,
38.0322

■ 45.8375, 51.0609,
47.3438

Harmonies

Analogous

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



32.6165, 39.7177, 2.5770



22.1305, 39.7177, 6.4999



16.9084, 39.7177, 21.9980

Triad

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



22.1305, 39.7177, 6.4999



29.3293, 39.7177, 172.9217



72.6334, 39.7177, 29.5817

Complementary

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



22.1305, 39.7177, 6.4999



16.8322, 7.5657, 51.0274

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.



71.0890, 39.7177, 75.0537



22.1305, 39.7177, 6.4999



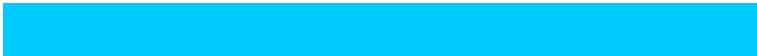
43.3968, 39.7177, 180.2784

Square

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



22.1305, 39.7177, 6.4999



20.2615, 39.7177, 120.6284



59.3935, 39.7177, 136.8996



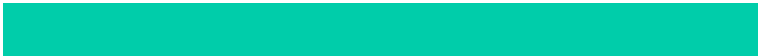
63.1877, 39.7177, 8.9873

Rectangle

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



22.1305, 39.7177, 6.4999



16.0333, 39.7177, 44.7243



59.3935, 39.7177, 136.8996



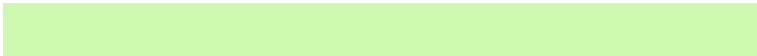
73.4343, 39.7177, 41.8003

Sweetspot

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



22.1314, 39.7194, 6.5008



67.0167, 84.3571, 53.2718



28.2170, 23.7852, 3.1044



13.8014, 17.8250, 10.2964



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1314, 39.7194, 6.5008



39.3749, 71.0003, 11.6292



19.1914, 38.1898, 6.9904



10.3162, 11.4504, 10.7283



14.8034, 26.4603, 4.3271



0.7173, 1.1833, 0.1906

Inverse Universe

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



16.8322, 7.5657, 51.0274



29.8576, 13.4007, 91.3732



29.6048, 14.3829, 41.1099



10.0960, 10.0406, 12.6907



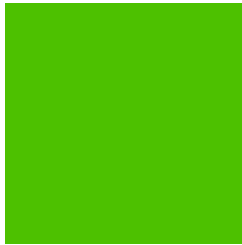
11.2862, 5.0787, 33.9420



0.5636, 0.2586, 1.4701

Previews

White Background



This preview shows how the XYZ color 22.1305, 39.7177, 6.4999 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 22.1305, 39.7177, 6.4999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

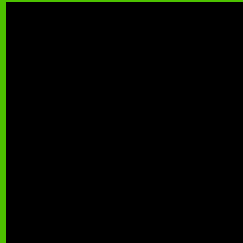
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1305, 39.7177, 6.4999

Background



This preview shows how black text looks on a background with the XYZ color 22.1305, 39.7177, 6.4999.



This preview shows how white text looks on a background with the XYZ color 22.1305, 39.7177,

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

22.1305, 39.7177, 6.4999

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

39.6451, 38.7984, 7.4068



Tritanopia

32.0420, 39.3234, 56.9403

Trichromacy



Original Color

22.1305, 39.7177, 6.4999



Protanomaly

27.9349, 37.7402, 5.8123



Deuteranomaly

29.6387, 36.8774, 6.4756



Tritanomaly

25.6454, 38.2524, 24.7707

Monochromacy



Original Color

22.1305, 39.7177, 6.4999



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.8475, 28.4469, 13.4088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1305, 39.7177, 6.4999 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(77, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 193, 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(77, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 193, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1305, 39.7177, 6.4999 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(77, 193, 0) }
```


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

```
.border{ border-color:rgb(77, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 193, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1305, 39.7177, 6.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 193, 0) }
```

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

```
.background{ background-color: rgb(77, 193,  
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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