

Converting Colors

XYZ(22.2132, 42.1875, 7.5665)

Have a look what the booklet for
XYZ(22.2132, 42.1875, 7.5665)
contains.

XYZ(22.1371, 42.0594, 7.5676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1371, 42.0594,
7.5676)**

Conversions

Conversions Part 1

Format	Color
Hex	33C813
RGB	51, 200, 19
RGB Percent	20%, 78%, 7%
CMY	0.8000, 0.2157, 0.9254
CMYK	0.75, 0.00, 0.90, 0.22
HSL	109°, 83%, 43%
HSV	109°, 90%, 78%
XYZ	22.1371, 42.0594, 7.5676
YIQ	134.8150, -30.7030, -87.8790

Conversions

Conversions Part 2

Format	Color
RYB	19, 200, 168
Decimal	3393555
CIELab	70.91, -66.99, 67.62
CIELCh	71, 95.182, 134.732
Yxy	42.0594, 0.3085, 0.5861
Android (android.graphics.Color)	4281583635 (0xFF33C813)
YUV	134.8150, -57.0968, -73.5058
Hunter-Lab	64.8532, -52.5637, 38.4788

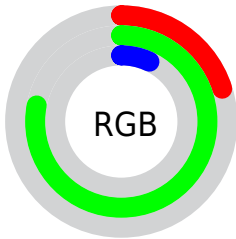
Details

The XYZ color **22.1371, 42.0594, 7.5676** 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 **26.8109, 12.9632, 55.7349**, and the grayscale version is **23.1752, 24.3821, 26.5521**.

A 20% lighter version of the original color is **45.5063, 76.3457, 21.3546**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.3601, 41.6737, 6.9180**, and if you desaturate by 10%, it is **23.3684, 42.6667, 8.9246**.

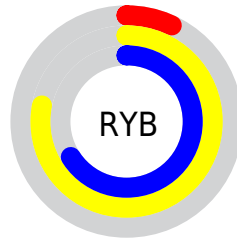
Distribution



Red (20%)

Green (78%)

Blue (7%)



Red (7%)

Yellow (78%)

Blue (66%)

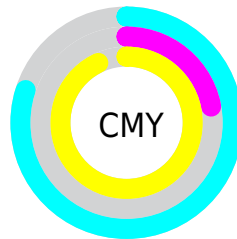


Cyan (75%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (80%)


Magenta (22%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1371, 42.0594, 7.5676 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 22.1371, 42.0594, 7.5676 by changing the saturation by 10% instead.


 22.1371, 42.0594,
7.5676


 22.1371, 42.0594,
7.5676


255.8803,
354.7291, 182.1061


 14.0748, 29.1478,
3.7358


 46.4497, 78.2895,
21.6383

 8.2548, 19.1927,
1.4815


 63.4307, 102.3768,
32.7142

 4.3116, 11.8096,
0.2041


 84.1153, 130.9582,
47.0420

 1.8799, 6.6141,
0.0000

 108.8689,
164.4179, 65.0400

 0.5651, 3.2220,
0.0000

 138.0569,
203.1405, 87.1269

 0.0000, 1.2487,
0.0000

 172.0445,

 0.0000, 0.1009,

247.5103, 113.7212

0.0000

211.1972,
297.9117, 145.2414

■ 0.0000, 0.0000,
0.0000

■ 22.1371, 42.0594,
7.5676

■ 22.1371, 42.0594,
7.5676

■ 21.3601, 41.6737,
6.9180

■ 23.3684, 42.6667,
8.9246

■ 25.0950, 43.5079,
11.2149

■ 27.3666, 44.6071,
14.5677

■ 30.2258, 45.9839,
19.0910

■ 33.7108, 47.6559,
24.8795

■ 37.8564, 49.6394,
32.0184

■ 42.6951, 51.9492,
40.5854

■ 48.2569, 54.5993,
50.6521

■ 54.5700, 57.6029,
62.2857

Harmonies

Analogous

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



32.7173, 42.0594, 2.6274



22.1371, 42.0594, 7.5676



17.1970, 42.0594, 26.4447

Triad

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



22.1371, 42.0594, 7.5676



32.4770, 42.0594, 192.1071



77.2801, 42.0594, 26.9953

Complementary

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



22.1371, 42.0594, 7.5676



26.8109, 12.9632, 55.7349

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.



77.1657, 42.0594, 72.8341



22.1371, 42.0594, 7.5676



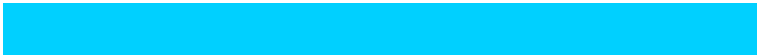
48.2364, 42.0594, 192.6572

Square

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



22.1371, 42.0594, 7.5676



22.0015, 42.0594, 138.7611



65.4849, 42.0594, 139.9734



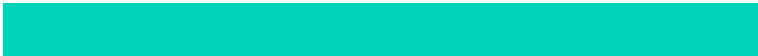
65.7654, 42.0594, 7.7428

Rectangle

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



22.1371, 42.0594, 7.5676



16.6493, 42.0594, 53.3785



65.4849, 42.0594, 139.9734



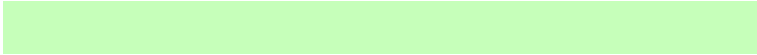
78.6818, 42.0594, 38.9671

Sweetspot

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



22.1381, 42.0612, 7.5685



68.0115, 87.1206, 59.7694



37.7242, 39.8993, 6.3298



13.9691, 18.3664, 11.7615



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.



22.1381, 42.0612, 7.5685



36.8451, 72.0794, 11.9708



22.2399, 41.9752, 13.8272



10.6694, 11.9765, 11.3121



13.6350, 26.5244, 4.4011



0.7008, 1.2844, 0.2110

Inverse Universe

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



26.8109, 12.9632, 55.7349



44.6093, 20.9118, 96.2930



28.9880, 14.7199, 27.1771



10.8921, 10.7182, 13.4122



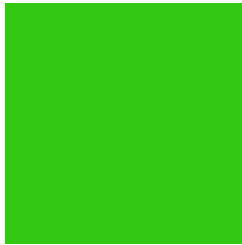
16.5174, 7.7493, 35.3696



0.8317, 0.3925, 1.6771

Previews

White Background



This preview shows how the XYZ color 22.1371, 42.0594, 7.5676 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 22.1371, 42.0594, 7.5676 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 22.1371, 42.0594, 7.5676

Background



This preview shows how black text looks on a background with the XYZ color 22.1371, 42.0594, 7.5676.



This preview shows how white text looks on a background with the XYZ color 22.1371, 42.0594,

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

22.1371, 42.0594, 7.5676

Protanopia

37.0007, 40.9744, 5.9587

Deuteranopia

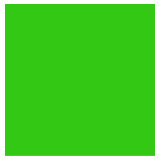
41.9092, 40.9906, 8.2879



Tritanopia

32.9254, 41.8217, 61.5954

Trichromacy



Original Color

22.1371, 42.0594, 7.5676



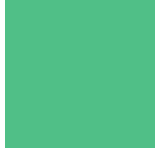
Protanomaly

27.9216, 39.2220, 6.3000



Deuteranomaly

29.5541, 38.2460, 7.4936



Tritanomaly

26.3122, 40.7163, 29.3939

Monochromacy



Original Color

22.1371, 42.0594, 7.5676



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.0828, 28.5296, 14.8042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1371, 42.0594, 7.5676 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(51, 200, 19)` looks like.

```
.text, #text, p{  
    color:rgb(51, 200, 19)  
}
```

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(51, 200, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 200, 19) }
```

Border

The CSS property to change the border of an element to XYZ 22.1371, 42.0594, 7.5676 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(51, 200, 19) }
```


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

```
.border{ border-color:rgb(51, 200, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 200, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 200, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 200, 19);  
box-shadow:4px 4px 4px 4px rgb(51, 200,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1371, 42.0594, 7.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 200, 19) }
```

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

```
.background{ background-color: rgb(51, 200,  
19) }
```

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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