

Converting Colors

XYZ(21.9935, 41.8518, 13.9137)

Have a look what the booklet for
XYZ(21.9935, 41.8518, 13.9137)
contains.

XYZ(21.9938, 41.8444, 13.9388)	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(21.9938, 41.8444,
13.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	00C84D
RGB	0, 200, 77
RGB Percent	0%, 78%, 30%
CMY	1.0000, 0.2157, 0.6980
CMYK	1.00, 0.00, 0.61, 0.22
HSL	143°, 100%, 39%
HSV	143°, 100%, 78%
XYZ	21.9938, 41.8444, 13.9388
YIQ	126.1780, -79.7170, -80.6530

Conversions

Conversions Part 2

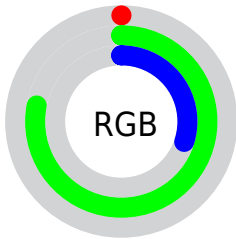
Format	Color
RYB	0, 144, 200
Decimal	51277
CIELab	70.76, -67.01, 48.79
CIELCh	71, 82.896, 143.941
Yxy	41.8444, 0.2828, 0.5380
Android (android.graphics.Color)	4278241357 (0xFF00C84D)
YUV	126.1780, -24.2448, -110.6581
Hunter-Lab	64.6872, -52.5123, 32.5053

Details

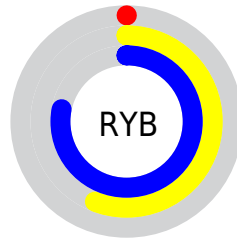
The XYZ color **21.9938, 41.8444, 13.9388** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.3956, 13.7099, 19.9413**, and the grayscale version is **19.9920, 21.0331, 22.9051**.

A 20% lighter version of the original color is **45.1561, 75.8984, 33.3890**, and **10.1086, 20.0007, 4.0372** is the 20% darker color. If you saturate the color by 10%, you get **21.9948, 41.8461, 13.9397**, and if you desaturate by 10%, it is **22.7596, 42.1853, 16.4613**.

Distribution



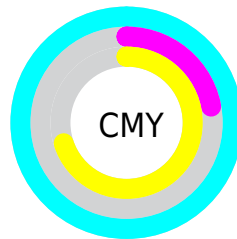
- Red (0%)
- Green (78%)
- Blue (30%)



- Red (0%)
- Yellow (56%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9938, 41.8444, 13.9388 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 21.9938, 41.8444, 13.9388 by changing the saturation by 10% instead.


 21.9938, 41.8444,
13.9388


 21.9938, 41.8444,
13.9388


255.1469,
353.8375, 228.2649


 13.9689, 28.9795,
7.9398


 46.2147, 77.9641,
33.6960

 8.1806, 19.0653,
3.9693


 63.1414, 101.9876,
48.2912


 4.2635, 11.7175,
1.6085


 83.7661, 130.4995,
66.5891

 1.8523, 6.5516,
0.2969

 108.4541,
163.8841, 89.0079

 0.5489, 3.1833,
0.0000

 137.5709,
202.5258, 115.9664

 0.0000, 1.2282,
0.0000

171.4817,

 0.0000, 0.0845,

246.8090, 147.8831

0.0000

210.5519,
297.1181, 185.1764

■ 0.0000, 0.0000,
0.0000

■ 21.9938, 41.8444,
13.9388

■ 21.9938, 41.8444,
13.9388

■ 21.9948, 41.8461,
13.9397

■ 22.7596, 42.1853,
16.4613

■ 23.9089, 42.7128,
19.4519

■ 25.5505, 43.4837,
22.9374

■ 27.7426, 44.5274,
26.9402

■ 30.5349, 45.8693,
31.4808

■ 33.9712, 47.5315,
36.5787

■ 38.0910, 49.5340,
42.2525

■ 42.9306, 51.8952,
48.5198

■ 48.5235, 54.6320,
55.3973

Harmonies

Analogous

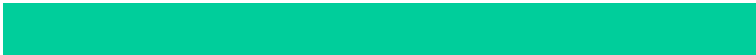
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.9760, 41.8444, 5.4769



21.9938, 41.8444, 13.9388



18.8432, 41.8444, 38.0251

Triad

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



21.9938, 41.8444, 13.9388



37.0451, 41.8444, 170.0112



69.1715, 41.8444, 21.2187

Complementary

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



21.9938, 41.8444, 13.9388



27.3956, 13.7099, 19.9413

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.



72.2945, 41.8444, 54.0331



21.9938, 41.8444, 13.9388



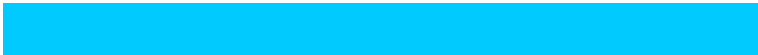
51.4984, 41.8444, 155.7689

Square

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



21.9938, 41.8444, 13.9388



26.1472, 41.8444, 138.3201



65.2123, 41.8444, 106.2690



57.4587, 41.8444, 7.6641

Rectangle

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



21.9938, 41.8444, 13.9388



19.2295, 41.8444, 66.3545



65.2123, 41.8444, 106.2690



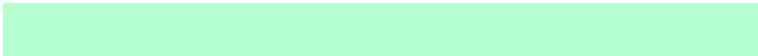
71.3583, 41.8444, 29.6410

Sweetspot

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



21.9948, 41.8461, 13.9398



65.6145, 85.5960, 72.7079



28.8716, 45.5460, 7.2696



13.3643, 17.9902, 14.6408



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.



21.9948, 41.8461, 13.9398



37.9730, 72.4052, 23.5736



28.5581, 44.4714, 48.5014



10.6637, 11.9544, 12.1790



14.0253, 26.6225, 9.0778



0.6994, 1.2747, 0.6156

Inverse Universe

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



27.3956, 13.7099, 19.9413



47.3106, 23.6883, 33.8975



23.9784, 12.3431, 1.9469



10.9034, 10.7447, 12.4744



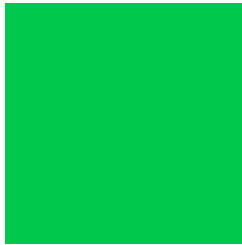
17.4633, 8.7349, 12.9153



0.8615, 0.4274, 0.7939

Previews

White Background



This preview shows how the XYZ color 21.9938, 41.8444, 13.9388 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 21.9938, 41.8444, 13.9388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

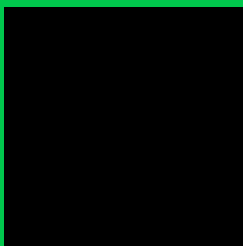
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

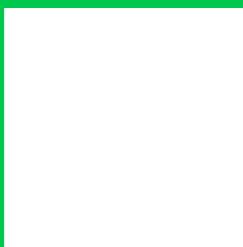
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9938, 41.8444, 13.9388

Background



This preview shows how black text looks on a background with the XYZ color 21.9938, 41.8444, 13.9388.



This preview shows how white text looks on a background with the XYZ color 21.9938, 41.8444,

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

21.9938, 41.8444, 13.9388

Protanopia

37.3126, 41.0111, 11.5796

Deuteranopia

41.9009, 41.1044, 14.9580



Tritanopia

31.8581, 41.5579, 62.8423

Trichromacy



Original Color

21.9938, 41.8444, 13.9388



Protanomaly

25.9237, 38.0614, 12.1111



Deuteranomaly

27.1539, 37.1527, 14.1275



Tritanomaly

26.3007, 40.8374, 38.3945

Monochromacy



Original Color

21.9938, 41.8444, 13.9388



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.4063, 25.5706, 18.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9938, 41.8444, 13.9388 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, 200, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 77)  
}
```

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, 200, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 77) }
```

Border

The CSS property to change the border of an element to XYZ 21.9938, 41.8444, 13.9388 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, 200, 77) }
```


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

```
.border{ border-color:rgb(0, 200, 77) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9938, 41.8444, 13.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 77) }
```

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

```
.background{ background-color: rgb(0, 200,  
77) }
```

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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