

Converting Colors

XYZ(21.9550, 41.5263, 9.5519)

Have a look what the booklet for
XYZ(21.9550, 41.5263, 9.5519)
contains.

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Color

**XYZ(21.9752, 41.5876,
9.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	2CC72F
RGB	44, 199, 47
RGB Percent	17%, 78%, 18%
CMY	0.8275, 0.2196, 0.8157
CMYK	0.78, 0.00, 0.76, 0.22
HSL	121°, 64%, 48%
HSV	121°, 78%, 78%
XYZ	21.9752, 41.5876, 9.5583
YIQ	135.3270, -43.5880, -80.1320

Conversions

Conversions Part 2

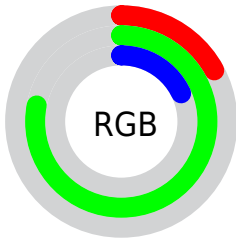
Format	Color
RYB	44, 196, 199
Decimal	2934575
CIELab	70.59, -66.33, 60.40
CIELCh	71, 89.712, 137.681
Yxy	41.5876, 0.3005, 0.5687
Android (android.graphics.Color)	4281124655 (0xFF2CC72F)
YUV	135.3270, -43.5452, -80.0938
Hunter-Lab	64.4884, -52.0288, 36.3541

Details

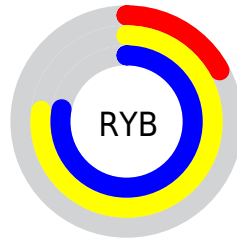
The XYZ color **21.9752, 41.5876, 9.5583** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **34.4183, 17.9293, 53.8694**, and the grayscale version is **23.3202, 24.5346, 26.7182**.

A 20% lighter version of the original color is **45.5948, 76.3014, 25.4212**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **21.0069, 41.1254, 7.8978**, and if you desaturate by 10%, it is **23.5309, 42.3347, 12.1663**.

Distribution



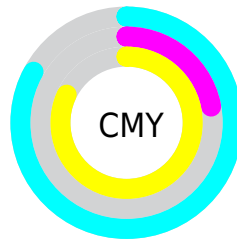
- Red (17%)
- Green (78%)
- Blue (18%)



- Red (17%)
- Yellow (77%)
- Blue (78%)



- Cyan (78%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9752, 41.5876, 9.5583 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 21.9752, 41.5876, 9.5583 by changing the saturation by 10% instead.


 21.9752, 41.5876,
9.5583


 21.9752, 41.5876,
9.5583


255.0515,
352.7705, 197.8587


 13.9552, 28.7785,
5.0053


 46.1842, 77.5751,
25.5560

 8.1710, 18.9133,
2.1916


 63.1038, 101.5223,
37.8379

 4.2573, 11.6077,
0.6695


 83.7207, 129.9510,
53.5331

 1.8487, 6.4771,
0.0000

 108.4002,
163.2455, 73.0602

 0.5467, 3.1373,
0.0000

 137.5077,
201.7904, 96.8378

 0.0000, 1.2038,
0.0000

 171.4085,

 0.0000, 0.0648,

245.9699, 125.2844

0.0000

210.4680,
296.1685, 158.8185

■ 0.0000, 0.0000,
0.0000

■ 21.9752, 41.5876,
9.5583

■ 21.9752, 41.5876,
9.5583

■ 21.0069, 41.1254,
7.8978

■ 23.5309, 42.3347,
12.1663

■ 20.5206, 40.8932,
7.0407


■ 25.7437, 43.3966,
15.8310


■ 20.4454, 40.8570,
6.9195


■ 28.6766, 44.8050,
20.6498


■ 32.3846, 46.5863,
26.7085

■ 36.9173, 48.7644,
34.0844

 42.3201, 51.3612,
42.8488

 48.6351, 54.3971,
53.0678

 55.9019, 57.8911,
64.8032

 64.1575, 61.8609,
78.1133

Harmonies

Analogous

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



31.4869, 41.5876, 3.5364



21.9752, 41.5876, 9.5583



17.7074, 41.5876, 30.0027

Triad

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



21.9752, 41.5876, 9.5583



33.7529, 41.5876, 181.0268



73.3806, 41.5876, 24.7374

Complementary

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



21.9752, 41.5876, 9.5583



34.4183, 17.9293, 53.8694

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.



74.4282, 41.5876, 65.0269



21.9752, 41.5876, 9.5583



48.8328, 41.5876, 176.0926

Square

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



21.9752, 41.5876, 9.5583



23.2751, 41.5876, 136.4385



64.5726, 41.5876, 125.4784



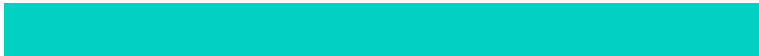
61.9919, 41.5876, 7.7685

Rectangle

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



21.9752, 41.5876, 9.5583



17.4739, 41.5876, 57.0936



64.5726, 41.5876, 125.4784



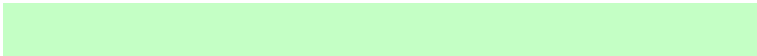
75.0405, 41.5876, 35.2230

Sweetspot

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



21.9762, 41.5893, 9.5592



68.7501, 87.3564, 66.3547



43.7534, 52.8226, 10.2725



14.0012, 18.3546, 13.0433



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.



21.9762, 41.5893, 9.5592



36.1559, 71.7068, 12.7172



25.1064, 42.8414, 26.0429



10.5057, 11.8912, 11.3471



13.1501, 26.2724, 4.4689



0.6256, 1.2452, 0.2273

Inverse Universe

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



34.4183, 17.9293, 53.8694



58.7720, 28.6150, 93.1972



27.7797, 15.2739, 18.9110



11.0739, 10.8129, 13.3724



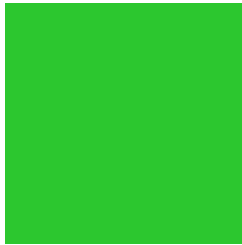
21.4934, 10.3469, 34.1378



1.0206, 0.4911, 1.6317

Previews

White Background



This preview shows how the XYZ color 21.9752, 41.5876, 9.5583 looks on a white background.

Color Contrast Check

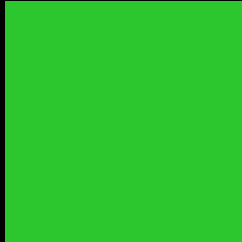
Large Text (above 18pt) WCAG AA × Fail

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 21.9752, 41.5876, 9.5583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

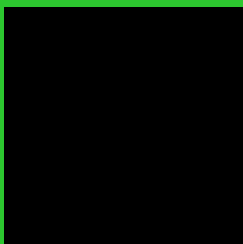
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

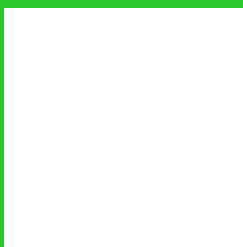
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9752, 41.5876, 9.5583

Background



This preview shows how black text looks on a background with the XYZ color 21.9752, 41.5876, 9.5583.



This preview shows how white text looks on a background with the XYZ color 21.9752, 41.5876,

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

21.9752, 41.5876, 9.5583

Protanopia

36.8738, 40.8647, 7.9517

Deuteranopia

41.6983, 40.8383, 10.2423



Tritanopia

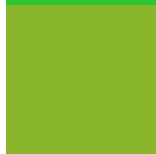
32.2060, 41.1391, 61.5016

Trichromacy



Original Color

21.9752, 41.5876, 9.5583



Protanomaly

27.6452, 39.0336, 8.3627



Deuteranomaly

29.2127, 38.0215, 9.6701



Tritanomaly

26.3483, 40.3271, 33.1833

Monochromacy



Original Color

21.9752, 41.5876, 9.5583



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.1545, 28.2578, 17.2240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9752, 41.5876, 9.5583 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(44, 199, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 199, 47)  
}
```

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(44, 199, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 199, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.9752, 41.5876, 9.5583 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(44, 199, 47) }
```


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

```
.border{ border-color:rgb(44, 199, 47) }
```

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

Here you see how a box with a 4 pixel rgb(44, 199, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 199, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 199, 47);  
box-shadow:4px 4px 4px 4px rgb(44, 199,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9752, 41.5876, 9.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 199, 47) }
```

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

```
.background{ background-color: rgb(44, 199,  
47) }
```

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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