

Converting Colors

XYZ(21.8341, 42.0842, 8.4870)

Have a look what the booklet for
XYZ(21.8341, 42.0842, 8.4870)
contains.

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Color

**XYZ(21.9383, 42.2821,
8.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	25C922
RGB	37, 201, 34
RGB Percent	15%, 79%, 13%
CMY	0.8549, 0.2118, 0.8666
CMYK	0.82, 0.00, 0.83, 0.21
HSL	119°, 71%, 46%
HSV	119°, 83%, 79%
XYZ	21.9383, 42.2821, 8.5184
YIQ	132.9260, -44.1370, -86.7050

Conversions

Conversions Part 2

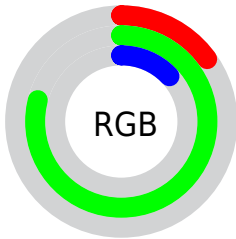
Format	Color
RYB	34, 201, 198
Decimal	2476322
CIELab	71.06, -68.57, 64.57
CIELCh	71, 94.191, 136.720
Yxy	42.2821, 0.3016, 0.5813
Android (android.graphics.Color)	4280666402 (0xFF25C922)
YUV	132.9260, -48.7705, -84.1271
Hunter-Lab	65.0247, -53.5701, 37.7501

Details

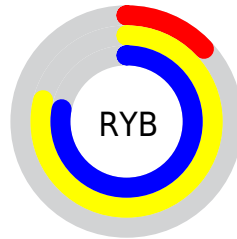
The XYZ color **21.9383, 42.2821, 8.5184** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **34.4077, 17.3695, 56.7998**, and the grayscale version is **22.4519, 23.6211, 25.7234**.

A 20% lighter version of the original color is **44.7650, 75.9236, 23.1218**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.2020, 41.9280, 7.3877**, and if you desaturate by 10%, it is **23.2285, 42.9046, 10.5607**.

Distribution



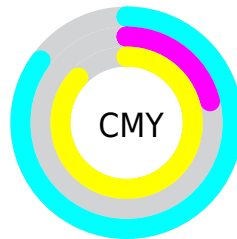
- Red (15%)
- Green (79%)
- Blue (13%)



- Red (13%)
- Yellow (79%)
- Blue (78%)



- Cyan (82%)
- Magenta (0%)
- Yellow (83%)
- Black (21%)



- Cyan (85%)
- Magenta (21%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9383, 42.2821, 8.5184 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 21.9383, 42.2821, 8.5184 by changing the saturation by 10% instead.

■ 21.9383, 42.2821,
8.5184

■ 21.9383, 42.2821,
8.5184

254.8623,
355.6510, 189.8272

■ 13.9279, 29.3222,
4.3359

■ 46.1236, 78.6264,
23.5313

■ 8.1519, 19.3247,
1.8114

■ 63.0293, 102.7796,
35.1989

■ 4.2449, 11.9052,
0.4354

■ 83.6307, 131.4328,
50.1985

■ 1.8416, 6.6791,
0.0000

■ 108.2933,
164.9702, 68.9488

■ 0.5426, 3.2623,
0.0000

■ 137.3824,
203.7764, 91.8683

■ 0.0000, 1.2701,
0.0000

■ 171.2634,

■ 0.0000, 0.1179,

248.2356, 119.3755

0.0000

210.3016,
298.7324, 151.8890

■ 0.0000, 0.0000,
0.0000

■ 21.9383, 42.2821,
8.5184

■ 21.9383, 42.2821,
8.5184

■ 21.2020, 41.9280,
7.3877

■ 23.2285, 42.9046,
10.5607


■ 20.9326, 41.7982,
6.9646


■ 25.1494, 43.8285,
13.6499


■ 27.7690, 45.0875,
17.9020


■ 31.1455, 46.7096,
23.4167

■ 35.3313, 48.7198,
30.2833

 40.3739, 51.1409,
38.5828

 46.3173, 53.9939,
48.3899

 53.2024, 57.2985,
59.7741

 61.0676, 61.0730,
72.8007

Harmonies

Analogous

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



32.0956, 42.2821, 2.9257



21.9383, 42.2821, 8.5184



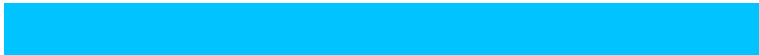
17.3454, 42.2821, 28.8627

Triad

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



21.9383, 42.2821, 8.5184



33.6301, 42.2821, 192.3769



76.6929, 42.2821, 25.3354

Complementary

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



21.9383, 42.2821, 8.5184



34.4077, 17.3695, 56.7998

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.



77.4186, 42.2821, 68.9518



21.9383, 42.2821, 8.5184



49.5374, 42.2821, 188.9042

Square

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



21.9383, 42.2821, 8.5184



22.8076, 42.2821, 142.3387



66.4881, 42.2821, 134.6720



64.7072, 42.2821, 7.3787

Rectangle

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



21.9383, 42.2821, 8.5184



17.0043, 42.2821, 56.9424



66.4881, 42.2821, 134.6720



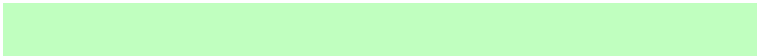
78.3532, 42.2821, 36.6230

Sweetspot

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



21.9393, 42.2839, 8.5194



67.0290, 86.5502, 62.6077



43.9905, 51.7600, 9.1862



13.6779, 18.2041, 12.2992



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.



21.9393, 42.2839, 8.5194



35.8171, 71.5495, 11.9227



24.4688, 43.2838, 22.3767



10.5147, 11.8968, 11.3049



13.1693, 26.2843, 4.3793



0.6298, 1.2478, 0.2077

Inverse Universe

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



34.4077, 17.3695, 56.7998



57.6302, 27.6244, 96.9023



28.2404, 14.9945, 20.1686



11.0636, 10.8066, 13.4203



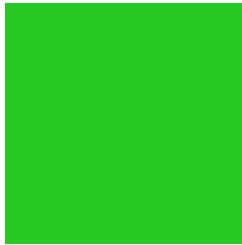
21.1817, 10.1538, 35.5878



1.0091, 0.4839, 1.6854

Previews

White Background



This preview shows how the XYZ color 21.9383, 42.2821, 8.5184 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 21.9383, 42.2821, 8.5184 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 21.9383, 42.2821, 8.5184

Background



This preview shows how black text looks on a background with the XYZ color 21.9383, 42.2821, 8.5184.



This preview shows how white text looks on a background with the XYZ color 21.9383, 42.2821,

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

21.9383, 42.2821, 8.5184

Protanopia

37.3782, 41.4311, 7.0042

Deuteranopia

42.2602, 41.4162, 9.2568



Tritanopia

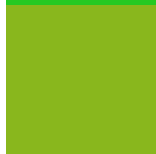
32.6474, 41.9786, 62.2591

Trichromacy



Original Color

21.9383, 42.2821, 8.5184



Protanomaly

27.4718, 39.2740, 7.2951



Deuteranomaly

28.9977, 38.2288, 8.5399



Tritanomaly

26.2559, 40.9620, 31.7219

Monochromacy



Original Color

21.9383, 42.2821, 8.5184



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.4215, 27.9135, 15.6735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9383, 42.2821, 8.5184 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(37, 201, 34)` looks like.

```
.text, #text, p{  
    color:rgb(37, 201, 34)  
}
```

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(37, 201, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 201, 34) }
```

Border

The CSS property to change the border of an element to XYZ 21.9383, 42.2821, 8.5184 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(37, 201, 34) }
```


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

```
.border{ border-color:rgb(37, 201, 34) }
```

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

Here you see how a box with a 4 pixel rgb(37, 201, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 201, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 201, 34);  
box-shadow:4px 4px 4px 4px rgb(37, 201,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9383, 42.2821, 8.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 201, 34) }
```

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

```
.background{ background-color: rgb(37, 201,  
34) }
```

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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