

Converting Colors

XYZ(21.3239, 41.7320, 9.6389)

Have a look what the booklet for
XYZ(21.3239, 41.7320, 9.6389)
contains.

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Color

**XYZ(21.2300, 41.5461,
9.5896)**

Conversions

Conversions Part 1

Format	Color
Hex	05C82F
RGB	5, 200, 47
RGB Percent	2%, 78%, 18%
CMY	0.9804, 0.2157, 0.8157
CMYK	0.97, 0.00, 0.76, 0.22
HSL	133°, 95%, 40%
HSV	133°, 97%, 78%
XYZ	21.2300, 41.5461, 9.5896
YIQ	124.2530, -67.1070, -88.9230

Conversions

Conversions Part 2

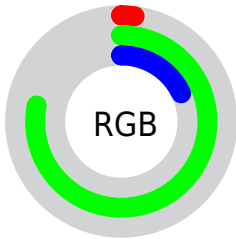
Format	Color
RYB	5, 165, 200
Decimal	378927
CIELab	70.56, -69.72, 60.25
CIELCh	71, 92.147, 139.166
Yxy	41.5461, 0.2934, 0.5741
Android (android.graphics.Color)	4278569007 (0xFF05C82F)
YUV	124.2530, -38.0857, -104.5849
Hunter-Lab	64.4563, -54.0058, 36.2984

Details

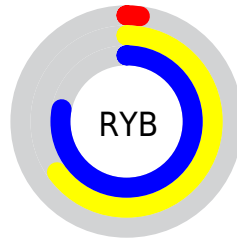
The XYZ color **21.2300, 41.5461, 9.5896** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.0464, 14.8572, 33.6326**, and the grayscale version is **19.3833, 20.3927, 22.2077**.

A 20% lighter version of the original color is **43.9676, 75.4625, 25.3451**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.0926, 41.4852, 9.1889**, and if you desaturate by 10%, it is **21.9449, 41.8725, 11.5842**.

Distribution



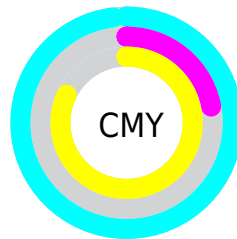
- Red (2%)
- Green (78%)
- Blue (18%)



- Red (2%)
- Yellow (65%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (98%)
- Magenta (22%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2300, 41.5461, 9.5896 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 21.2300, 41.5461, 9.5896 by changing the saturation by 10% instead.


 21.2300, 41.5461,
9.5896


 21.2300, 41.5461,
9.5896


251.2069,
352.5979, 198.0946


 13.4056, 28.7460,
5.0257


 44.9584, 77.5122,
25.6163


 7.7874, 18.8888,
2.2033


 61.5932, 101.4470,
37.9162

 4.0099, 11.5899,
0.6763


 81.8954, 129.8623,
53.6318

 1.7077, 6.4651,
0.0000

 106.2306,
163.1422, 73.1816

 0.4611, 3.1299,
0.0000

 134.9639,
201.6714, 96.9843

 0.0000, 1.1999,
0.0000

 168.4609,

 0.0000, 0.0616,

245.8341, 125.4583

0.0000

207.0868,
296.0148, 159.0222

■ 0.0000, 0.0000,
0.0000

■ 21.2300, 41.5461,
9.5896

■ 21.2300, 41.5461,
9.5896

■ 21.0926, 41.4852,
9.1889

■ 21.9449, 41.8725,
11.5842

■ 23.1267, 42.4239,
14.2512

■ 24.8596, 43.2439,
17.6460

■ 27.2042, 44.3627,
21.8170

■ 30.2132, 45.8065,
26.8084

■ 33.9332, 47.5986,
32.6610

■ 38.4067, 49.7599,
39.4129

■ 43.6726, 52.3099,
47.0999

■ 49.7673, 55.2666,
55.7559

Harmonies

Analogous

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



30.6403, 41.5461, 3.2747



21.2300, 41.5461, 9.5896



17.1584, 41.5461, 31.2433

Triad

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



21.2300, 41.5461, 9.5896



34.2400, 41.5461, 187.5402



74.0744, 41.5461, 22.9262

Complementary

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



21.2300, 41.5461, 9.5896



30.0464, 14.8572, 33.6326

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.



75.7605, 41.5461, 62.8861



21.2300, 41.5461, 9.5896



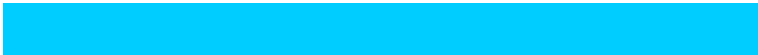
49.8941, 41.5461, 179.5254

Square

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



21.2300, 41.5461, 9.5896



23.2801, 41.5461, 142.8677



66.0203, 41.5461, 125.1264



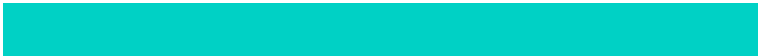
61.8759, 41.5461, 6.8430

Rectangle

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



21.2300, 41.5461, 9.5896



17.0737, 41.5461, 59.9406



66.0203, 41.5461, 125.1264



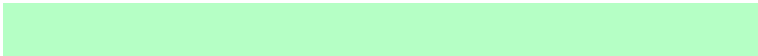
75.9892, 41.5461, 33.1584

Sweetspot

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



21.2310, 41.5478, 9.5905



64.9034, 85.3800, 65.8696



35.3812, 48.8987, 7.7173



13.1635, 17.9228, 13.0029



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.



21.2310, 41.5478, 9.5905



36.4478, 71.7951, 15.5420



25.5631, 43.2807, 32.4030



10.5894, 11.9247, 11.7881



13.4384, 26.3877, 5.9871



0.6640, 1.2605, 0.4291

Inverse Universe

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



30.0464, 14.8572, 33.6326



51.6740, 25.4336, 56.8747



24.7861, 12.7530, 5.9321



10.9815, 10.7760, 12.8859



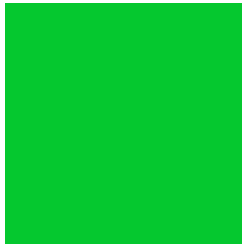
19.0447, 9.3674, 21.2428



0.9269, 0.4536, 1.1380

Previews

White Background



This preview shows how the XYZ color 21.2300, 41.5461, 9.5896 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 21.2300, 41.5461, 9.5896 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 21.2300, 41.5461, 9.5896

Background



This preview shows how black text looks on a background with the XYZ color 21.2300, 41.5461, 9.5896.



This preview shows how white text looks on a background with the XYZ color 21.2300, 41.5461,

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

21.2300, 41.5461, 9.5896

Protanopia

36.8738, 40.8647, 7.9517

Deuteranopia

41.4350, 40.6994, 10.3745



Tritanopia

31.7869, 41.2211, 62.1582

Trichromacy



Original Color

21.2300, 41.5461, 9.5896



Protanomaly

25.4762, 37.9154, 8.2612



Deuteranomaly

26.5804, 36.6644, 9.5469



Tritanomaly

25.3947, 40.1492, 33.6053

Monochromacy



Original Color

21.2300, 41.5461, 9.5896



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7329, 25.0503, 15.0196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2300, 41.5461, 9.5896 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(5, 200, 47)` looks like.

```
.text, #text, p{  
    color:rgb(5, 200, 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(5, 200, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 200, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.2300, 41.5461, 9.5896 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(5, 200, 47) }
```


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

```
.border{ border-color:rgb(5, 200, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 200, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 200, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 200, 47);  
box-shadow:4px 4px 4px 4px rgb(5, 200, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2300, 41.5461, 9.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 200, 47) }
```

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

```
.background{ background-color: rgb(5, 200,  
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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