

Converting Colors

XYZ(21.2400, 41.5336, 6.8980)

Have a look what the booklet for
XYZ(21.2400, 41.5336, 6.8980)
contains.

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Color

**XYZ(21.2815, 41.6319,
6.9141)**

Conversions

Conversions Part 1

Format	Color
Hex	21C800
RGB	33, 200, 0
RGB Percent	13%, 78%, 0%
CMY	0.8706, 0.2157, 0.9999
CMYK	0.83, 0.00, 1.00, 0.22
HSL	110°, 100%, 39%
HSV	110°, 100%, 78%
XYZ	21.2815, 41.6319, 6.9141
YIQ	127.2670, -35.3320, -97.6040

Conversions

Conversions Part 2

Format	Color
RYB	0, 200, 167
Decimal	2213888
CIELab	70.62, -69.73, 69.55
CIELCh	71, 98.484, 135.075
Yxy	41.6319, 0.3048, 0.5962
Android (android.graphics.Color)	4280403968 (0xFF21C800)
YUV	127.2670, -62.7426, -82.6722
Hunter-Lab	64.5228, -54.0404, 38.8126

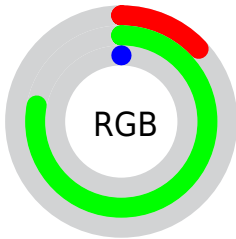
Details

The XYZ color **21.2815, 41.6319, 6.9141** 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 **26.3677, 12.3890, 55.6474**, and the grayscale version is **20.4845, 21.5513, 23.4694**.

A 20% lighter version of the original color is **44.0553, 75.6248, 20.0597**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.2817, 41.6333, 6.9144**, and if you desaturate by 10%, it is **22.0824, 42.0314, 7.6119**.

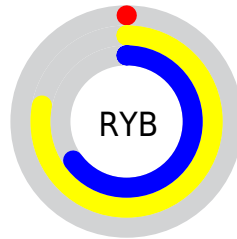
Distribution



Red (13%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (65%)

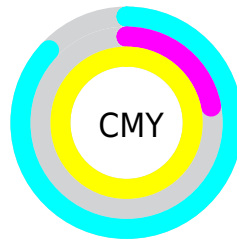


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (87%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2815, 41.6319, 6.9141 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 21.2815, 41.6319, 6.9141 by changing the saturation by 10% instead.


 21.2815, 41.6319,
6.9141


 21.2815, 41.6319,
6.9141


251.4742,
352.9547, 176.5518


 13.4436, 28.8132,
3.3308


 45.0433, 77.6422,
20.3101


 7.8138, 18.9395,
1.2659


 61.6979, 101.6026,
30.9599


 4.0268, 11.6266,
0.0336


 82.0221, 130.0456,
44.8023

 1.7173, 6.4900,
0.0000

 106.3812,
163.3557, 62.2558

 0.4671, 3.1452,
0.0000

 135.1406,
201.9173, 83.7389

 0.0000, 1.2080,
0.0000

 168.6657,

 0.0000, 0.0682,

246.1147, 109.6703

0.0000

207.3218,
296.3324, 140.4684

■ 0.0000, 0.0000,
0.0000

■ 21.2815, 41.6319,
6.9141

■ 21.2815, 41.6319,
6.9141

■ 21.2817, 41.6333,
6.9144

■ 22.0824, 42.0314,
7.6119

■ 23.3127, 42.6360,
9.0104

■ 25.0481, 43.4806,
11.3506

■ 27.3384, 44.5882,
14.7595

■ 30.2272, 45.9790,
19.3444

■ 33.7534, 47.6709,
25.1995

■ 37.9528, 49.6805,
32.4095

■ 42.8582, 52.0231,
41.0519

■ 48.5006, 54.7131,
51.1981

Harmonies

Analogous

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



31.9714, 41.6319, 2.1723



21.2815, 41.6319, 6.9141



16.3692, 41.6319, 25.9336

Triad

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



21.2815, 41.6319, 6.9141



32.0405, 41.6319, 198.9346



78.1618, 41.6319, 25.7769

Complementary

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



21.2815, 41.6319, 6.9141



26.3677, 12.3890, 55.6474

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.



78.1954, 41.6319, 72.5725



21.2815, 41.6319, 6.9141



48.2859, 41.6319, 198.7710

Square

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



21.2815, 41.6319, 6.9141



21.3200, 41.6319, 143.0914



66.1403, 41.6319, 142.7328



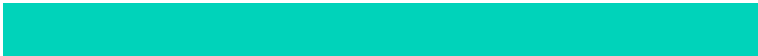
66.0583, 41.6319, 6.8666

Rectangle

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



21.2815, 41.6319, 6.9141



15.8563, 41.6319, 53.7357



66.1403, 41.6319, 142.7328



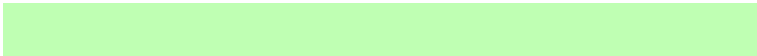
79.6748, 41.6319, 37.8502

Sweetspot

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



21.2825, 41.6336, 6.9150



65.3611, 85.8458, 55.5082



37.5795, 39.7978, 5.7017



13.2980, 18.0436, 10.6849



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.



21.2825, 41.6336, 6.9150



36.7169, 72.0133, 11.9648



21.6590, 41.7118, 12.1701



10.6577, 11.9705, 11.3116



13.5824, 26.4973, 4.3986



0.6955, 1.2817, 0.2107

Inverse Universe

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



26.3677, 12.3890, 55.6474



45.4757, 21.3585, 96.3335



28.0780, 13.9833, 23.5340



10.9048, 10.7247, 13.4128



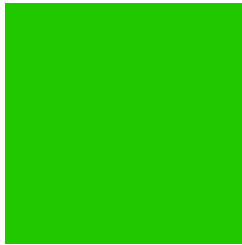
16.8288, 7.9098, 35.3841



0.8438, 0.3988, 1.6776

Previews

White Background



This preview shows how the XYZ color 21.2815, 41.6319, 6.9141 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 21.2815, 41.6319, 6.9141 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 21.2815, 41.6319, 6.9141

Background



This preview shows how black text looks on a background with the XYZ color 21.2815, 41.6319, 6.9141.



This preview shows how white text looks on a background with the XYZ color 21.2815, 41.6319,

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

21.2815, 41.6319, 6.9141

Protanopia

36.7448, 40.8425, 5.9467

Deuteranopia

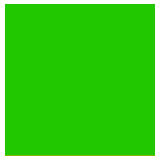
41.3807, 40.4622, 7.9145



Tritanopia

32.2213, 41.4587, 61.5624

Trichromacy



Original Color

21.2815, 41.6319, 6.9141



Protanomaly

26.7196, 38.6068, 6.0436



Deuteranomaly

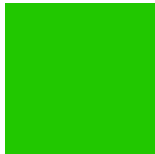
28.1176, 37.5194, 6.7969



Tritanomaly

24.9813, 40.0853, 26.8427

Monochromacy



Original Color

21.2815, 41.6319, 6.9141



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.5550, 26.0324, 11.8841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2815, 41.6319, 6.9141 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(33, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 200, 0)  
}
```

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(33, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 200, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2815, 41.6319, 6.9141 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(33, 200, 0) }
```


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

```
.border{ border-color:rgb(33, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 200, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2815, 41.6319, 6.9141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 200, 0) }
```

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

```
.background{ background-color: rgb(33, 200,  
0) }
```

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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