

Converting Colors

XYZ(21.0312, 41.5008, 7.1607)

Have a look what the booklet for
XYZ(21.0312, 41.5008, 7.1607)
contains.

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Color

**XYZ(21.0345, 41.4988,
7.1599)**

Conversions

Conversions Part 1

Format	Color
Hex	16C809
RGB	22, 200, 9
RGB Percent	9%, 78%, 4%
CMY	0.9137, 0.2157, 0.9646
CMYK	0.89, 0.00, 0.95, 0.22
HSL	116°, 91%, 41%
HSV	116°, 95%, 78%
XYZ	21.0345, 41.4988, 7.1599
YIQ	125.0040, -44.7770, -97.1370

Conversions

Conversions Part 2

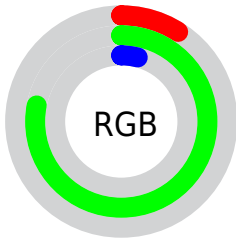
Format	Color
RYB	9, 200, 187
Decimal	1493001
CIELab	70.52, -70.51, 68.45
CIElCh	71, 98.274, 135.848
Yxy	41.4988, 0.3018, 0.5954
Android (android.graphics.Color)	4279683081 (0xFF16C809)
YUV	125.0040, -57.1900, -90.3345
Hunter-Lab	64.4196, -54.4498, 38.5039

Details

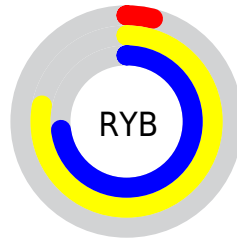
The XYZ color **21.0345, 41.4988, 7.1599** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.0228, 14.9339, 55.8931**, and the grayscale version is **19.6938, 20.7194, 22.5634**.

A 20% lighter version of the original color is **43.6280, 75.3957, 20.4370**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **20.8299, 41.4003, 6.8932**, and if you desaturate by 10%, it is **21.7775, 41.8631, 8.0965**.

Distribution



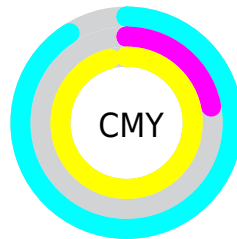
- Red (9%)
- Green (78%)
- Blue (4%)



- Red (4%)
- Yellow (78%)
- Blue (73%)



- Cyan (89%)
- Magenta (0%)
- Yellow (95%)
- Black (22%)





- Cyan (91%)
- Magenta (22%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0345, 41.4988, 7.1599 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 21.0345, 41.4988, 7.1599 by changing the saturation by 10% instead.


 21.0345, 41.4988,
7.1599


 21.0345, 41.4988,
7.1599


250.1900,
352.4010, 178.6668


 13.2618, 28.7090,
3.4823


 44.6358, 77.4405,
20.8125

 7.6873, 18.8608,
1.3459


 61.1951, 101.3613,
31.6246

 3.9456, 11.5698,
0.0990


 81.4140, 129.7611,
45.6520

 1.6714, 6.4514,
0.0000

 105.6579,
163.0245, 63.3132

 0.4383, 3.1215,
0.0000

 134.2921,
201.5358, 85.0267

 0.0000, 1.1955,
0.0000

 167.6819,

 0.0000, 0.0580,

245.6794, 111.2112

0.0000

206.1928,
295.8397, 142.2850

■ 0.0000, 0.0000,
0.0000

■ 21.0345, 41.4988,
7.1599

■ 21.0345, 41.4988,
7.1599

■ 20.8299, 41.4003,
6.8932

■ 21.7775, 41.8631,
8.0965

■ 23.0306, 42.4707,
9.8922

■ 24.8659, 43.3567,
12.6923

■ 27.3431, 44.5495,
16.6144

■ 30.5144, 46.0738,
21.7599

■ 34.4267, 47.9518,
28.2188

■ 39.1228, 50.2037,
36.0728

■ 44.6422, 52.8484,
45.3968

■ 51.0216, 55.9033,
56.2604

Harmonies

Analogous

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



31.5262, 41.4988, 2.2204



21.0345, 41.4988, 7.1599



16.2762, 41.4988, 26.6802

Triad

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



21.0345, 41.4988, 7.1599



32.3007, 41.4988, 198.8615



77.6847, 41.4988, 24.9224

Complementary

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



21.0345, 41.4988, 7.1599



31.0228, 14.9339, 55.8931

Split Complementary

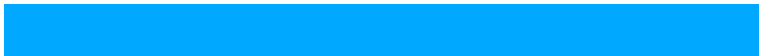
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0608, 41.4988, 70.7227



21.0345, 41.4988, 7.1599



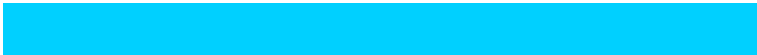
48.5861, 41.4988, 197.0289

Square

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



21.0345, 41.4988, 7.1599



21.4668, 41.4988, 144.3129



66.3118, 41.4988, 140.2953



65.3929, 41.4988, 6.6262

Rectangle

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



21.0345, 41.4988, 7.1599



15.8455, 41.4988, 54.9089



66.3118, 41.4988, 140.2953



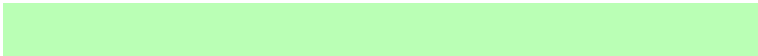
79.3031, 41.4988, 36.6830

Sweetspot

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



21.0355, 41.5005, 7.1608



64.3738, 85.3069, 56.8160



41.0286, 46.6173, 7.0947



13.0399, 17.9049, 10.9270



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.



21.0355, 41.5005, 7.1608



35.9971, 71.6423, 11.9311



22.5544, 42.0829, 16.2971



10.5631, 11.9217, 11.3071



13.2720, 26.3372, 4.3841



0.6522, 1.2593, 0.2087

Inverse Universe

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



31.0228, 14.9339, 55.8931



53.1986, 25.3398, 96.6949



27.3345, 13.8422, 19.1370



11.0092, 10.7785, 13.4177



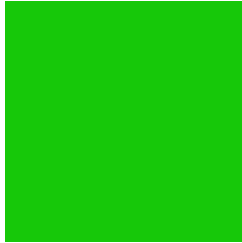
19.5979, 9.3373, 35.5137



0.9499, 0.4534, 1.6826

Previews

White Background



This preview shows how the XYZ color 21.0345, 41.4988, 7.1599 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 21.0345, 41.4988, 7.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

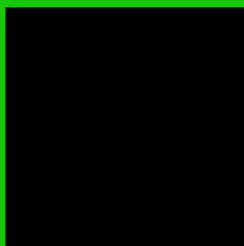
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0345, 41.4988, 7.1599

Background



This preview shows how black text looks on a background with the XYZ color 21.0345, 41.4988, 7.1599.



This preview shows how white text looks on a background with the XYZ color 21.0345, 41.4988,

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

21.0345, 41.4988, 7.1599

Protanopia

36.5552, 40.4633, 5.8835

Deuteranopia

41.3993, 40.4696, 8.0123



Tritanopia

31.9393, 41.3133, 61.5492

Trichromacy



Original Color

21.0345, 41.4988, 7.1599



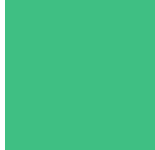
Protanomaly

26.1045, 38.2878, 6.1006



Deuteranomaly

27.4497, 37.1693, 7.0240



Tritanomaly

24.7774, 39.9571, 27.8793

Monochromacy



Original Color

21.0345, 41.4988, 7.1599



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.8141, 25.1557, 12.1530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0345, 41.4988, 7.1599 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(22, 200, 9)` looks like.

```
.text, #text, p{  
    color:rgb(22, 200, 9)  
}
```

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(22, 200, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 200, 9) }
```

Border

The CSS property to change the border of an element to XYZ 21.0345, 41.4988, 7.1599 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(22, 200, 9) }
```


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

```
.border{ border-color:rgb(22, 200, 9) }
```

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

Here you see how a box with a 4 pixel rgb(22, 200, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 200, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 200, 9);  
box-shadow:4px 4px 4px 4px rgb(22, 200, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0345, 41.4988, 7.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 200, 9) }
```

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

```
.background{ background-color: rgb(22, 200,  
9) }
```

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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