

Converting Colors

XYZ(19.5717, 41.8974, 5.5963)

Have a look what the booklet for
XYZ(19.5717, 41.8974, 5.5963)
contains.

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Color

**XYZ(21.3559, 42.7119,
7.1186)**

Conversions

Conversions Part 1

Format	Color
Hex	00CB00
RGB	0, 203, 0
RGB Percent	0%, 80%, 0%
CMY	1.0000, 0.2039, 0.9999
CMYK	1.00, 0.00, 1.00, 0.20
HSL	120°, 100%, 40%
HSV	120°, 100%, 80%
XYZ	21.3559, 42.7119, 7.1186
YIQ	119.1610, -55.8250, -106.1690

Conversions

Conversions Part 2

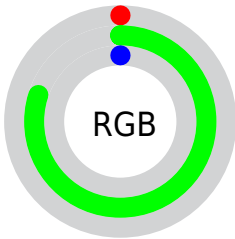
Format	Color
RYB	0, 203, 203
Decimal	51968
CIELab	71.36, -72.58, 70.05
CIELCh	71, 100.868, 136.016
Yxy	42.7119, 0.3000, 0.6000
Android (android.graphics.Color)	4278242048 (0xFF00CB00)
YUV	119.1610, -58.7464, -104.5042
Hunter-Lab	65.3543, -56.0415, 39.2900

Details

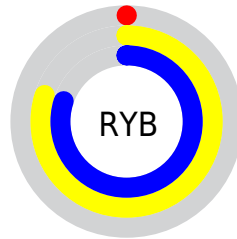
The XYZ color **21.3559, 42.7119, 7.1186** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **35.4070, 17.0080, 57.9055**, and the grayscale version is **17.7804, 18.7064, 20.3712**.

A 20% lighter version of the original color is **43.0709, 75.1173, 20.0136**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **21.3569, 42.7137, 7.1196**, and if you desaturate by 10%, it is **21.7806, 42.9172, 7.8127**.

Distribution



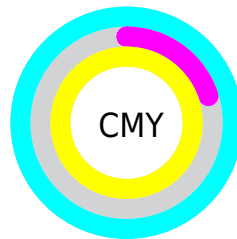
- Red (0%)
- Green (80%)
- Blue (0%)



- Red (0%)
- Yellow (80%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3559, 42.7119, 7.1186 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 21.3559, 42.7119, 7.1186 by changing the saturation by 10% instead.


 21.3559, 42.7119,
7.1186


 21.3559, 42.7119,
7.1186


251.8600,
357.4256, 178.3137


 13.4983, 29.6591,
3.4568


 45.1659, 79.2759,
20.7283


 7.8520, 19.5800,
1.3324


 61.8491, 103.5560,
31.5134


 4.0514, 12.0901,
0.0881


 82.2049, 132.3472,
45.5099

 1.7312, 6.8051,
0.0000

 106.5986,
166.0341, 63.1364

 0.4757, 3.3405,
0.0000

 135.3956,
205.0010, 84.8115

 0.0000, 1.3120,
0.0000

 168.9613,

 0.0000, 0.1504,

249.6323, 110.9538

0.0000

207.6609,
300.3124, 141.9816

■ 0.0000, 0.0000,
0.0000

■ 21.3559, 42.7119,
7.1186

■ 21.3559, 42.7119,
7.1186

■ 21.3569, 42.7137,
7.1196

■ 21.7806, 42.9172,
7.8127

■ 22.6490, 43.3343,
9.2337

■ 24.1153, 44.0386,
11.6324

■ 26.2607, 45.0692,
15.1420

■ 29.1542, 46.4591,
19.8750

■ 32.8560, 48.2373,
25.9300

■ 37.4205, 50.4298,
33.3958

■ 42.8970, 53.0605,
42.3534

■ 49.3314, 56.1512,
52.8775

Harmonies

Analogous

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



32.2440, 42.7119, 2.1036



21.3559, 42.7119, 7.1186



16.4548, 42.7119, 27.3844

Triad

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



21.3559, 42.7119, 7.1186



33.2120, 42.7119, 208.8513



80.7215, 42.7119, 25.1969

Complementary

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



21.3559, 42.7119, 7.1186



35.4070, 17.0080, 57.9055

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.



81.1959, 42.7119, 72.9355



21.3559, 42.7119, 7.1186



50.2793, 42.7119, 206.5257

Square

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



21.3559, 42.7119, 7.1186



21.8935, 42.7119, 151.3335



68.8860, 42.7119, 146.2467



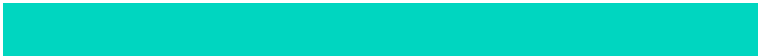
67.7288, 42.7119, 6.4690

Rectangle

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



21.3559, 42.7119, 7.1186



16.0274, 42.7119, 57.0018



68.8860, 42.7119, 146.2467



82.4520, 42.7119, 37.3848

Sweetspot

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



21.3569, 42.7137, 7.1196



62.3221, 84.2790, 55.3702



45.9865, 55.4107, 8.2716



12.6071, 17.6874, 10.6536



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.



21.3569, 42.7137, 7.1196



35.7601, 71.5201, 11.9208



23.7305, 43.6631, 19.6183



11.0681, 12.5370, 11.9162



13.5909, 27.1817, 4.5308



0.7012, 1.4023, 0.2338

Inverse Universe

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



35.4070, 17.0080, 57.9055



59.2856, 28.4783, 96.9570



27.0033, 13.6465, 13.6520



11.6876, 11.4038, 14.1552



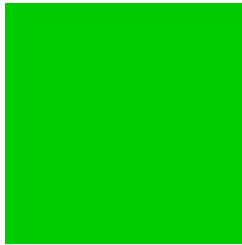
22.5319, 10.8234, 36.8494



1.1624, 0.5584, 1.9011

Previews

White Background



This preview shows how the XYZ color 21.3559, 42.7119, 7.1186 looks on a white background.

Color Contrast Check

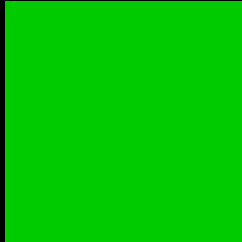
Large Text (above 18pt) WCAG AA × Fail

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 21.3559, 42.7119, 7.1186 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

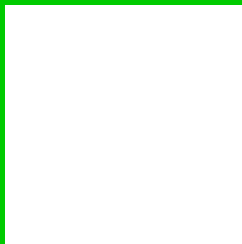
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3559, 42.7119, 7.1186

Background



This preview shows how black text looks on a background with the XYZ color 21.3559, 42.7119, 7.1186.



This preview shows how white text looks on a background with the XYZ color 21.3559, 42.7119,

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

21.3559, 42.7119, 7.1186

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

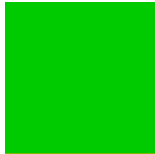
42.6435, 41.6382, 8.1723



Tritanopia

32.8430, 42.6861, 63.6350

Trichromacy



Original Color

21.3559, 42.7119, 7.1186



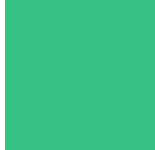
Protanomaly

25.8064, 39.0579, 6.1788



Deuteranomaly

26.7775, 37.4136, 6.9088



Tritanomaly

24.8424, 40.9795, 27.7196

Monochromacy



Original Color

21.3559, 42.7119, 7.1186



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.1913, 23.8710, 10.6444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3559, 42.7119, 7.1186 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(0, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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(0, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3559, 42.7119, 7.1186 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(0, 203, 0) }
```


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

```
.border{ border-color:rgb(0, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 203, 0); box-shadow:4px  
4px 4px 4px rgb(0, 203, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3559, 42.7119, 7.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 0) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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