

Converting Colors

XYZ(52.1542, 79.1227, 51.0365)

Have a look what the booklet for
XYZ(52.1542, 79.1227, 51.0365)
contains.

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Color

**XYZ(52.1639, 79.1274,
51.0519)**

Conversions

Conversions Part 1

Format	Color
Hex	81FFAB
RGB	129, 255, 171
RGB Percent	51%, 100%, 67%
CMY	0.4941, 0.0000, 0.3294
CMYK	0.49, 0.00, 0.33, 0.00
HSL	140°, 100%, 75%
HSV	140°, 49%, 100%
XYZ	52.1639, 79.1274, 51.0519
YIQ	207.7500, -48.1320, -52.8360

Conversions

Conversions Part 2

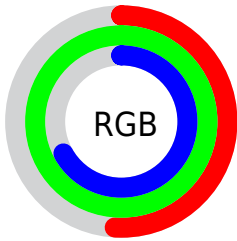
Format	Color
RYB	129, 224, 255
Decimal	8519595
CIELab	91.29, -53.10, 29.61
CIElCh	91, 60.796, 150.852
Yxy	79.1274, 0.2861, 0.4339
Android (android.graphics.Color)	4286709675 (0xFF81FFAB)
YUV	207.7500, -18.1178, -69.0637
Hunter-Lab	88.9536, -50.9933, 28.2400

Details

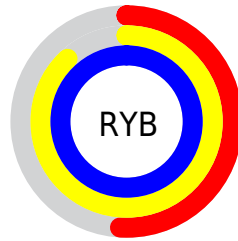
The XYZ color **52.1639, 79.1274, 51.0519** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.1006, 41.7650, 67.7912**, and the grayscale version is **59.9280, 63.0490, 68.6603**.

A 20% lighter version of the original color is **70.3642, 87.7574, 85.9033**, and **25.5510, 42.4338, 23.9834** is the 20% darker color. If you saturate the color by 10%, you get **47.2442, 76.7665, 42.9005**, and if you desaturate by 10%, it is **58.2595, 82.0703, 60.3488**.

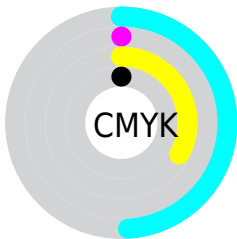
Distribution



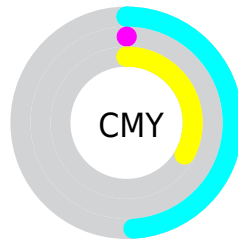
- Red (51%)
- Green (100%)
- Blue (67%)



- Red (51%)
- Yellow (88%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1639, 79.1274, 51.0519 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 52.1639, 79.1274, 51.0519 by changing the saturation by 10% instead.


 52.1639, 79.1274,
51.0519


 52.1639, 79.1274,
51.0519


385.3826,
491.9872, 407.6177


 37.3605, 59.0006,
35.8729


 92.5457, 132.1382,
93.1438

 25.6617, 42.6136,
24.0471


 118.8549,
165.7910, 120.8937

 16.7021, 29.5820,
15.1561


 149.7300,
204.7211, 153.6711

 10.1163, 19.5216,
8.7812

185.5364,
249.3131, 191.8944

 5.5390, 12.0477,
4.5039

226.6396,
299.9513, 235.9821

 2.6048, 6.7762,
1.9056


273.4047,


 0.9484, 3.3225,


357.0202, 286.3529


0.4963


326.1973,
420.9040, 343.4253


 0.0000, 1.3023,
0.0000


 0.0000, 0.1430,
0.0000


 52.1639, 79.1274,
51.0519


 52.1639, 79.1274,
51.0519


 47.2442, 76.7665,
42.9005


 58.2595, 82.0703,
60.3488


 43.4176, 74.9460,
35.8458

 65.6025, 85.6314,
70.8298

 40.5925, 73.6196,
29.8410

 74.2605, 89.8446,
82.5362

 38.6604, 72.7324,
24.8341

 84.2957, 94.7413,
95.5065

■ 37.4587, 72.2016,
20.7670

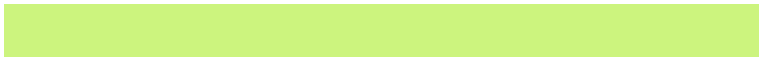
95.0500, 100.0000,
108.9000

■ 37.3998, 72.1759,
20.5552

Harmonies

Analogous

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



60.9998, 79.1274, 31.8713



52.1639, 79.1274, 51.0519



49.2784, 79.1274, 87.4262

Triad

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



52.1639, 79.1274, 51.0519



75.6504, 79.1274, 202.0616



103.6535, 79.1274, 49.5232

Complementary

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



52.1639, 79.1274, 51.0519



61.1006, 41.7650, 67.7912

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.



108.9348, 79.1274, 84.8987



52.1639, 79.1274, 51.0519



91.4676, 79.1274, 181.5921

Square

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



52.1639, 79.1274, 51.0519



61.6669, 79.1274, 183.6776



104.2009, 79.1274, 134.5063



90.5995, 79.1274, 31.2245

Rectangle

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



52.1639, 79.1274, 51.0519



50.7560, 79.1274, 120.0692



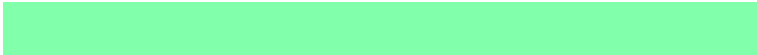
104.2009, 79.1274, 134.5063



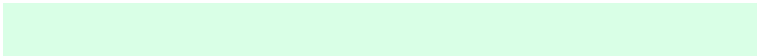
106.4707, 79.1274, 59.3182

Sweetspot

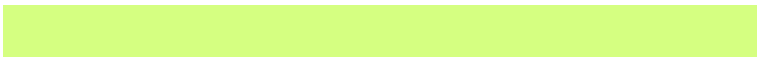
The Sweet Spot groups the original color and five complimentary colors.



52.1644, 79.1276, 51.0532



78.5139, 91.9186, 88.0996



67.1633, 87.2512, 34.0707



16.3629, 19.4586, 18.2812



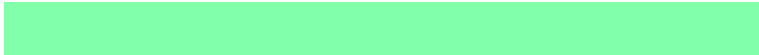
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1644, 79.1276, 51.0532



47.4244, 76.8526, 43.2137



59.6648, 82.1278, 90.5497



18.0213, 20.2680, 20.4151



19.6037, 37.7381, 11.0646



1.9570, 3.6937, 1.3315

Inverse Universe

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



61.1006, 41.7650, 67.7912



57.2470, 35.6722, 61.5297



54.5956, 39.1630, 33.5364



18.5201, 18.1914, 21.3562



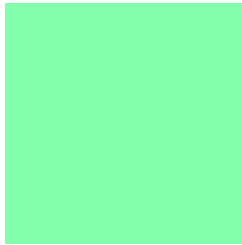
25.4121, 12.6541, 21.3523



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 52.1639, 79.1274, 51.0519 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 52.1639, 79.1274, 51.0519 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 52.1639, 79.1274, 51.0519

Background



This preview shows how black text looks on a background with the XYZ color 52.1639, 79.1274, 51.0519.

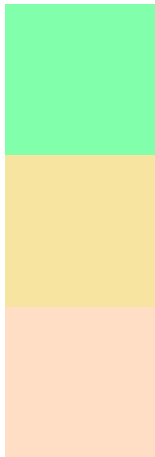


This preview shows how white text looks on a background with the XYZ color 52.1639, 79.1274,

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

52.1639, 79.1274, 51.0519

Protanopia

72.4463, 77.7990, 44.4561

Deuteranopia

77.4393, 77.5338, 63.7073



Tritanopia

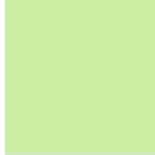
66.8893, 78.6541, 106.2641

Trichromacy



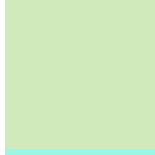
Original Color

52.1639, 79.1274, 51.0519



Protanomaly

62.1772, 76.6668, 46.6430



Deuteranomaly

64.7944, 76.0318, 58.8375



Tritanomaly

60.2075, 77.9557, 82.3947

Monochromacy



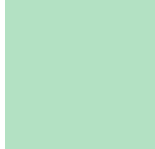
Original Color

52.1639, 79.1274, 51.0519



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.3659, 67.3743, 61.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1639, 79.1274, 51.0519 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(129, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 171)  
}
```

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(129, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 52.1639, 79.1274, 51.0519 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(129, 255, 171) }
```


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

```
.border{ border-color:rgb(129, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1639, 79.1274, 51.0519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 171) }
```

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

```
.background{ background-color: rgb(129,  
255, 171) }
```

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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