

Converting Colors

XYZ(51.8418, 72.9721, 42.1171)

Have a look what the booklet for
XYZ(51.8418, 72.9721, 42.1171)
contains.

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Color

**XYZ(51.8829, 73.2083,
41.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF29A
RGB	159, 242, 154
RGB Percent	62%, 95%, 60%
CMY	0.3765, 0.0510, 0.3961
CMYK	0.34, 0.00, 0.36, 0.05
HSL	117°, 77%, 78%
HSV	117°, 36%, 95%
XYZ	51.8829, 73.2083, 41.9679
YIQ	207.1510, -21.2200, -44.9640

Conversions

Conversions Part 2

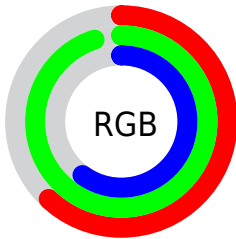
Format	Color
RYB	154, 242, 237
Decimal	10482330
CIELab	88.55, -42.00, 34.70
CIELCh	89, 54.483, 140.436
Yxy	73.2083, 0.3106, 0.4382
Android (android.graphics.Color)	4288672410 (0xFF9FF29A)
YUV	207.1510, -26.2034, -42.2284
Hunter-Lab	85.5618, -41.4946, 30.8117

Details

The XYZ color **51.8829, 73.2083, 41.9679** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.5111, 47.5288, 89.8876**, and the grayscale version is **59.5805, 62.6833, 68.2621**.

A 20% lighter version of the original color is **75.5875, 90.7224, 73.8489**, and **25.4562, 38.6003, 18.6793** is the 20% darker color. If you saturate the color by 10%, you get **45.9513, 70.3625, 32.2089**, and if you desaturate by 10%, it is **59.0604, 76.6537, 53.9092**.

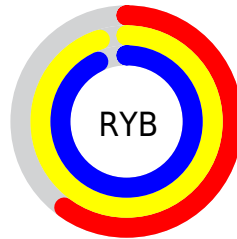
Distribution



Red (62%)

Green (95%)

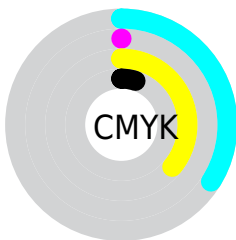
Blue (60%)



Red (60%)

Yellow (95%)

Blue (93%)

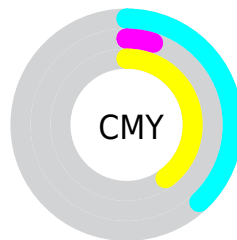


Cyan (34%)

Magenta (0%)

Yellow (36%)

Black (5%)



Cyan (38%)


Magenta (5%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8829, 73.2083, 41.9679 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 51.8829, 73.2083, 41.9679 by changing the saturation by 10% instead.


 51.8829, 73.2083,
41.9679

 51.8829, 73.2083,
41.9679

384.3158,
471.7364, 370.1456

 37.1356, 54.1463,
28.7508


 92.1338, 123.7729,
79.4206

 25.4867, 38.7186,
18.6484


 118.3681,
156.0442, 104.4933

 16.5707, 26.5409,
11.2423

149.1621,
193.4875, 134.3549

 10.0223, 17.2287,
6.1138

184.8813,
236.4871, 169.4239

 5.4761, 10.3977,
2.8445

225.8908,
285.4274, 210.1190

 2.5668, 5.6634,
1.0158


272.5562,

 0.9291, 2.6415,


340.6928, 256.8586


0.0000


325.2427,
402.6677, 310.0613

 0.0000, 0.9476,
0.0000


 0.0000, 0.0000,
0.0000

 51.8829, 73.2083,
41.9679


 51.8829, 73.2083,
41.9679


 45.9513, 70.3625,
32.2089


 59.0604, 76.6537,
53.9092


 41.1895, 68.0734,
24.4958

 67.5433, 80.7204,
68.1486

 37.5214, 66.3073,
18.6847

 77.3939, 85.4403,
84.7993

 34.8599, 65.0227,
14.6105

 88.6690, 90.8403,
103.9658

■ 33.1046, 64.1720,
12.0805

■ 91.0436, 91.9872,
107.5645

■ 32.1337, 63.6976,
10.8539

■ 31.9308, 63.5986,
10.5928

Harmonies

Analogous

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



61.1368, 73.2083, 29.3530



51.8829, 73.2083, 41.9679



47.5441, 73.2083, 68.2954

Triad

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



51.8829, 73.2083, 41.9679



65.4728, 73.2083, 174.3419



96.0125, 73.2083, 57.0435

Complementary

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



51.8829, 73.2083, 41.9679



62.5111, 47.5288, 89.8876

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.



97.5547, 73.2083, 92.3335



51.8829, 73.2083, 41.9679



78.7718, 73.2083, 168.4373

Square

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



51.8829, 73.2083, 41.9679



54.7133, 73.2083, 149.4260



90.9086, 73.2083, 135.1812



86.9271, 73.2083, 35.9650

Rectangle

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



51.8829, 73.2083, 41.9679



47.5959, 73.2083, 93.5343



90.9086, 73.2083, 135.1812



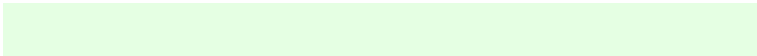
97.4712, 73.2083, 67.3222

Sweetspot

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



51.8848, 73.2114, 41.9695



81.7857, 93.6462, 86.4018



72.4878, 81.2818, 42.4414



17.1843, 19.8903, 17.9508



0.0000, 0.0000, 0.0000



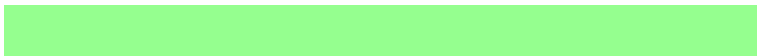
20.3446, 21.4041, 23.3091

Same Dimension

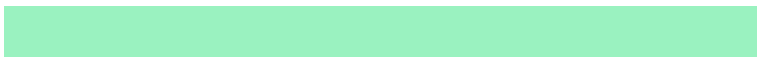
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8848, 73.2114, 41.9695



53.1287, 79.9029, 38.5299



54.6101, 74.1893, 61.3904



15.6490, 17.6992, 16.7412



17.1881, 34.1823, 5.6919



1.4589, 2.8586, 0.4749

Inverse Universe

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



62.5111, 47.5288, 89.8876



66.7767, 46.8763, 100.1362



59.0592, 46.3436, 62.8778



16.3604, 15.9830, 19.9444



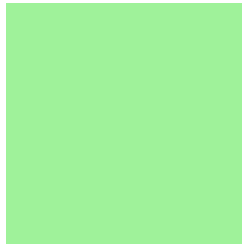
25.8815, 12.3478, 46.1471



2.1799, 1.0411, 3.8403

Previews

White Background



This preview shows how the XYZ color 51.8829, 73.2083, 41.9679 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 51.8829, 73.2083, 41.9679 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

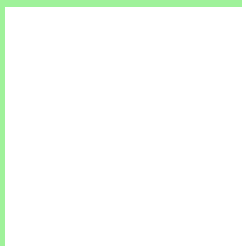
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8829, 73.2083, 41.9679

Background



This preview shows how black text looks on a background with the XYZ color 51.8829, 73.2083, 41.9679.



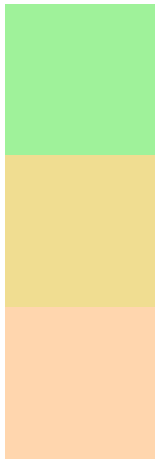
This preview shows how white text looks on a background with the XYZ color 51.8829, 73.2083,

41.9679.

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

51.8829, 73.2083, 41.9679

Protanopia

66.9025, 72.2825, 37.2138

Deuteranopia

72.9265, 72.4091, 50.1771



Tritanopia

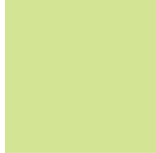
63.5272, 72.7803, 100.3223

Trichromacy



Original Color

51.8829, 73.2083, 41.9679



Protanomaly

60.2286, 72.0256, 38.7449



Deuteranomaly

63.1459, 71.3170, 46.9966



Tritanomaly

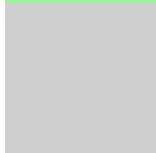
58.1380, 72.2467, 74.4991

Monochromacy



Original Color

51.8829, 73.2083, 41.9679



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.9055, 65.7644, 57.3242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8829, 73.2083, 41.9679 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(159, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(159, 242, 154)  
}
```

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(159, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 242, 154) }
```

Border

The CSS property to change the border of an element to XYZ 51.8829, 73.2083, 41.9679 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(159, 242, 154) }
```


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

```
.border{ border-color:rgb(159, 242, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 242, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(159, 242,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8829, 73.2083, 41.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 242, 154) }
```

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

```
.background{ background-color: rgb(159,  
242, 154) }
```

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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