

Converting Colors

XYZ(51.1835, 70.7112, 40.1731)

Have a look what the booklet for
XYZ(51.1835, 70.7112, 40.1731)
contains.

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Color

**XYZ(51.1799, 70.6953,
40.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	A4ED97
RGB	164, 237, 151
RGB Percent	64%, 93%, 59%
CMY	0.3569, 0.0706, 0.4078
CMYK	0.31, 0.00, 0.36, 0.07
HSL	111°, 70%, 76%
HSV	111°, 36%, 93%
XYZ	51.1799, 70.6953, 40.2262
YIQ	205.3690, -15.9020, -42.2220

Conversions

Conversions Part 2

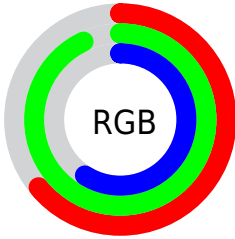
Format	Color
RYB	151, 237, 224
Decimal	10808727
CIELab	87.34, -38.64, 34.66
CIELCh	87, 51.905, 138.110
Yxy	70.6953, 0.3157, 0.4361
Android (android.graphics.Color)	4288998807 (0xFFA4ED97)
YUV	205.3690, -26.8039, -36.2806
Hunter-Lab	84.0805, -38.4877, 30.4905

Details

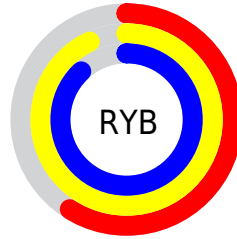
The XYZ color **51.1799, 70.6953, 40.2262** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.0964, 44.0971, 85.6269**, and the grayscale version is **58.4375, 61.4808, 66.9526**.

A 20% lighter version of the original color is **76.7194, 91.3484, 71.9810**, and **25.0827, 37.1998, 17.6627** is the 20% darker color. If you saturate the color by 10%, you get **45.6171, 68.0302, 30.9088**, and if you desaturate by 10%, it is **57.7900, 73.8598, 51.6151**.

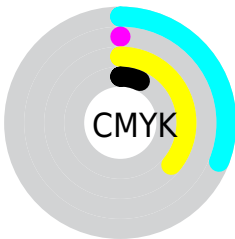
Distribution



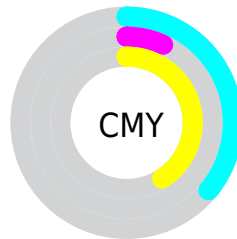
- Red (64%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (88%)



- Cyan (31%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)





- Cyan (36%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1799, 70.6953, 40.2262 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 51.1799, 70.6953, 40.2262 by changing the saturation by 10% instead.


 51.1799, 70.6953,
40.2262


 51.1799, 70.6953,
40.2262


381.6385,
462.9876, 362.6565

 36.5734, 52.0936,
27.3998


 91.1020, 120.1998,
76.7487

 25.0495, 37.0797,
17.6386

 117.1484,
151.8713, 101.2819

 16.2429, 25.2692,
10.5241


147.7388,
188.6682, 130.5544

 9.7881, 16.2777,
5.6377

183.2386,
230.9749, 164.9849

 5.3199, 9.7209,
2.5609

224.0131,
279.1758, 204.9918

 2.4728, 5.2143,
0.8721

270.4277,

 0.8816, 2.3735,

333.6553, 250.9936

0.0000

322.8477,
394.7978, 303.4090

0.0000, 0.8122,
0.0000

0.0000, 0.0000,
0.0000

51.1799, 70.6953,
40.2262

51.1799, 70.6953,
40.2262

45.6171, 68.0302,
30.9088

57.7900, 73.8598,
51.6151

41.0422, 65.8302,
23.5341

65.4923, 77.5381,
65.1849

37.3977, 64.0709,
17.9661

74.3353, 81.7550,
81.0427

34.6183, 62.7218,
14.0491

84.3633, 86.5312,
99.2872

■ 32.6293, 61.7486,
11.6013

■ 89.5757, 89.0513,
107.0752

■ 31.3423, 61.1105,
10.3963

■ 31.0069, 60.9431,
10.1290

Harmonies

Analogous

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



60.1534, 70.6953, 29.1037



51.1799, 70.6953, 40.2262



46.7287, 70.6953, 63.9290

Triad

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



51.1799, 70.6953, 40.2262



62.4690, 70.6953, 163.3578



92.0850, 70.6953, 57.9001

Complementary

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



51.1799, 70.6953, 40.2262



57.0964, 44.0971, 85.6269

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.



92.9012, 70.6953, 91.6854



51.1799, 70.6953, 40.2262



74.7631, 70.6953, 160.2581

Square

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



51.1799, 70.6953, 40.2262



52.6976, 70.6953, 138.7030



86.2416, 70.6953, 131.2003



84.1308, 70.6953, 36.9699

Rectangle

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



51.1799, 70.6953, 40.2262



46.5178, 70.6953, 86.8608



86.2416, 70.6953, 131.2003



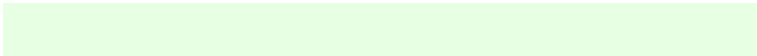
93.2356, 70.6953, 67.8696

Sweetspot

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



51.1817, 70.6983, 40.2278



82.6344, 94.0837, 86.4416



66.8128, 72.8397, 39.8172



17.3847, 19.9936, 17.9602



0.0000, 0.0000, 0.0000



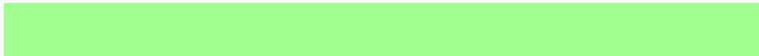
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1817, 70.6983, 40.2278



55.1515, 80.9457, 38.6245



51.2532, 70.4327, 53.8975



15.0802, 16.9714, 15.9997



16.9957, 33.3061, 5.5330



1.3996, 2.6489, 0.4375

Inverse Universe

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



57.0964, 44.0971, 85.6269



63.1167, 44.9894, 99.9650



57.4205, 44.7101, 65.4960



15.4781, 15.1918, 19.0388



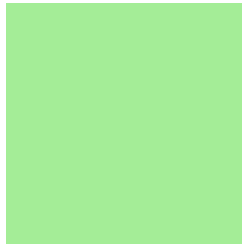
21.6125, 10.1776, 44.5683



1.7577, 0.8304, 3.5025

Previews

White Background



This preview shows how the XYZ color 51.1799, 70.6953, 40.2262 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 51.1799, 70.6953, 40.2262 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 51.1799, 70.6953, 40.2262

Background



This preview shows how black text looks on a background with the XYZ color 51.1799, 70.6953, 40.2262.



This preview shows how white text looks on a background with the XYZ color 51.1799, 70.6953,

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

51.1799, 70.6953, 40.2262

Protanopia

64.9544, 70.1305, 36.0997

Deuteranopia

70.9874, 70.0335, 44.8983



Tritanopia

62.3479, 70.6277, 95.9344

Trichromacy



Original Color

51.1799, 70.6953, 40.2262



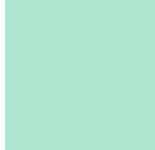
Protanomaly

58.6919, 69.6274, 37.5402



Deuteranomaly

61.9754, 69.2192, 42.8951



Tritanomaly

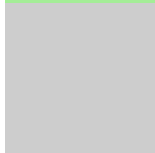
57.3852, 70.2454, 71.5070

Monochromacy



Original Color

51.1799, 70.6953, 40.2262



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.8050, 64.0756, 55.3782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1799, 70.6953, 40.2262 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(164, 237, 151)` looks like.

```
.text, #text, p{  
    color:rgb(164, 237, 151)  
}
```

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(164, 237, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 237, 151) }
```

Border

The CSS property to change the border of an element to XYZ 51.1799, 70.6953, 40.2262 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(164, 237, 151) }
```


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

```
.border{ border-color:rgb(164, 237, 151) }
```

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

Here you see how a box with a 4 pixel rgb(164, 237, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 237, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 237, 151);  
box-shadow:4px 4px 4px 4px rgb(164, 237,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1799, 70.6953, 40.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 237, 151) }
```

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

```
.background{ background-color: rgb(164,  
237, 151) }
```

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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