

Converting Colors

XYZ(51.7488, 70.9713, 40.2326)

Have a look what the booklet for
XYZ(51.7488, 70.9713, 40.2326)
contains.

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Color

**XYZ(51.8065, 71.0182,
40.2556)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ED97
RGB	167, 237, 151
RGB Percent	65%, 93%, 59%
CMY	0.3451, 0.0706, 0.4078
CMYK	0.30, 0.00, 0.36, 0.07
HSL	109°, 70%, 76%
HSV	109°, 36%, 93%
XYZ	51.8065, 71.0182, 40.2556
YIQ	206.2660, -14.1140, -41.5860

Conversions

Conversions Part 2

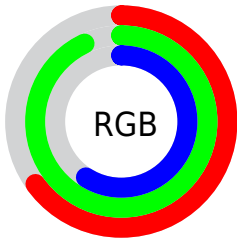
Format	Color
RYB	151, 237, 221
Decimal	11005335
CIELab	87.49, -37.66, 34.89
CIElCh	87, 51.343, 137.186
Yxy	71.0182, 0.3177, 0.4355
Android (android.graphics.Color)	4289195415 (0xFFA7ED97)
YUV	206.2660, -27.2461, -34.4363
Hunter-Lab	84.2723, -37.7434, 30.6687

Details

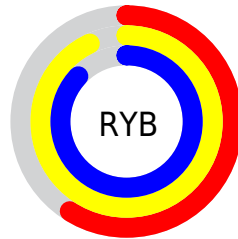
The XYZ color **51.8065, 71.0182, 40.2556** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.1745, 43.6219, 85.5836**, and the grayscale version is **59.0139, 62.0872, 67.6129**.

A 20% lighter version of the original color is **77.6410, 91.8235, 72.0241**, and **25.4581, 37.3933, 17.6802** is the 20% darker color. If you saturate the color by 10%, you get **46.2963, 68.3802, 30.9407**, and if you desaturate by 10%, it is **58.3152, 74.1305, 51.6398**.

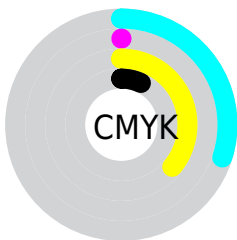
Distribution



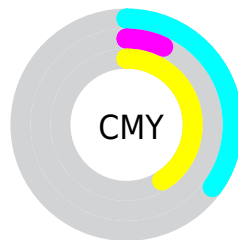
- Red (65%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)





- Cyan (35%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8065, 71.0182, 40.2556 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 51.8065, 71.0182, 40.2556 by changing the saturation by 10% instead.


 51.8065, 71.0182,
40.2556


 51.8065, 71.0182,
40.2556


384.0254,
464.1171, 362.7838

 37.0745, 52.3570,
27.4226


 92.0217, 120.6596,
76.7939

 25.4391, 37.2898,
17.6556

 118.2357,
152.4087, 101.3363

 16.5350, 25.4319,
10.5361


149.0076,
189.2892, 130.6189

 9.9968, 16.3991,
5.6456

184.7030,
231.6856, 165.0602

 5.4591, 9.8070,
2.5655

225.6871,
279.9821, 205.0788

 2.5565, 5.2712,
0.8746

272.3253,

 0.9239, 2.4073,

334.5633, 251.0933

0.0000

324.9829,
395.8135, 303.5221

■ 0.0000, 0.8296,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8065, 71.0182,
40.2556

■ 51.8065, 71.0182,
40.2556

■ 46.2963, 68.3802,
30.9407

■ 58.3152, 74.1305,
51.6398

■ 41.7292, 66.1842,
23.5664

■ 65.8636, 77.7294,
65.2024

■ 38.0521, 64.4081,
17.9967

■ 74.4970, 81.8383,
81.0504

■ 35.2047, 63.0240,
14.0765

■ 84.2566, 86.4761,
99.2823

■ 33.1183, 62.0006,
11.6242

■ 89.5756, 89.0512,
107.0752

■ 31.7117, 61.3008,
10.4136

■ 31.3281, 61.1086,
10.1440

Harmonies

Analogous

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



60.8456, 71.0182, 29.4812



51.8065, 71.0182, 40.2556



47.2294, 71.0182, 63.4475

Triad

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



51.8065, 71.0182, 40.2556



62.4624, 71.0182, 162.3824



92.3048, 71.0182, 59.2333

Complementary

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



51.8065, 71.0182, 40.2556



56.1745, 43.6219, 85.5836

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.



92.8729, 71.0182, 93.0955



51.8065, 71.0182, 40.2556



74.6241, 71.0182, 160.2306

Square

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



51.8065, 71.0182, 40.2556



52.8676, 71.0182, 137.3536



86.0818, 71.0182, 132.1397



84.6117, 71.0182, 37.9701

Rectangle

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



51.8065, 71.0182, 40.2556



46.9170, 71.0182, 85.9807



86.0818, 71.0182, 132.1397



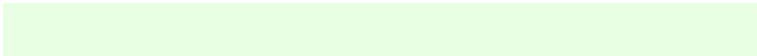
93.3654, 71.0182, 69.2739

Sweetspot

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



51.8083, 71.0212, 40.2572



82.9515, 94.2472, 86.4564



66.0547, 71.3236, 39.5647



17.4597, 20.0322, 17.9637



0.0000, 0.0000, 0.0000



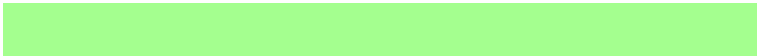
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8083, 71.0212, 40.2572



55.9450, 81.3548, 38.6617



50.9648, 70.3172, 52.3787



15.1297, 16.9969, 16.0020



17.1832, 33.4027, 5.5417



1.4230, 2.6609, 0.4386

Inverse Universe

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



56.1745, 43.6219, 85.5836



61.8162, 44.3190, 99.9041



57.7772, 44.8528, 67.3746



15.4241, 15.1639, 19.0362



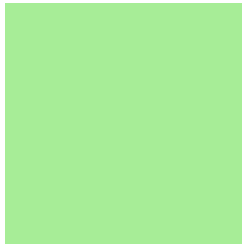
20.4448, 9.5756, 44.5137



1.6764, 0.7885, 3.4987

Previews

White Background



This preview shows how the XYZ color 51.8065, 71.0182, 40.2556 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 51.8065, 71.0182, 40.2556 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 51.8065, 71.0182, 40.2556

Background



This preview shows how black text looks on a background with the XYZ color 51.8065, 71.0182, 40.2556.



This preview shows how white text looks on a background with the XYZ color 51.8065, 71.0182,

40.2556.

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

51.8065, 71.0182, 40.2556

Protanopia

64.9544, 70.1305, 36.0997

Deuteranopia

71.0781, 70.0698, 45.3759



Tritanopia

63.0539, 70.9916, 95.9674

Trichromacy



Original Color

51.8065, 71.0182, 40.2556



Protanomaly

59.2649, 69.9228, 37.5670



Deuteranomaly

62.3698, 69.4124, 43.3684



Tritanomaly

58.0611, 70.5939, 71.5386

Monochromacy



Original Color

51.8065, 71.0182, 40.2556



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.4140, 64.3773, 55.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8065, 71.0182, 40.2556 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(167, 237, 151)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 237, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 237, 151) }
```

Border

The CSS property to change the border of an element to XYZ 51.8065, 71.0182, 40.2556 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(167, 237, 151) }
```


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

```
.border{ border-color:rgb(167, 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(167, 237, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 237, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 237, 151);  
box-shadow:4px 4px 4px 4px rgb(167, 237,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8065, 71.0182, 40.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 237, 151) }
```

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

```
.background{ background-color: rgb(167,  
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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