

Converting Colors

XYZ(51.3391, 71.5781, 57.2108)

Have a look what the booklet for
XYZ(51.3391, 71.5781, 57.2108)
contains.

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Color

**XYZ(51.4186, 71.7523,
57.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	90F0B9
RGB	144, 240, 185
RGB Percent	56%, 94%, 73%
CMY	0.4353, 0.0588, 0.2745
CMYK	0.40, 0.00, 0.23, 0.06
HSL	146°, 76%, 75%
HSV	146°, 40%, 94%
XYZ	51.4186, 71.7523, 57.0385
YIQ	205.0260, -39.5610, -37.4570

Conversions

Conversions Part 2

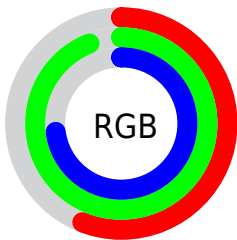
Format	Color
RYB	144, 211, 240
Decimal	9498809
CIELab	87.85, -40.22, 17.83
CIELCh	88, 43.990, 156.096
Yxy	71.7523, 0.2853, 0.3982
Android (android.graphics.Color)	4287688889 (0xFF90F0B9)
YUV	205.0260, -9.8728, -53.5198
Hunter-Lab	84.7067, -39.8839, 19.3709

Details

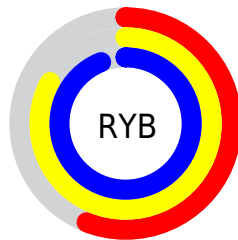
The XYZ color **51.4186, 71.7523, 57.0385** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.2196, 42.5968, 59.2942**, and the grayscale version is **58.1252, 61.1523, 66.5948**.

A 20% lighter version of the original color is **75.7246, 90.2884, 96.6554**, and **25.1228, 37.6076, 27.7647** is the 20% darker color. If you saturate the color by 10%, you get **46.2821, 69.2660, 49.5843**, and if you desaturate by 10%, it is **57.5904, 74.7600, 65.2771**.

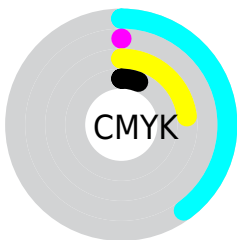
Distribution



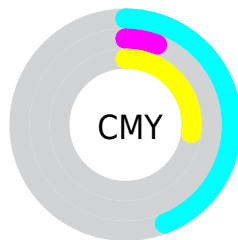
- Red (56%)
- Green (94%)
- Blue (73%)



- Red (56%)
- Yellow (83%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (6%)




- Cyan (44%)
- Magenta (6%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4186, 71.7523, 57.0385 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 51.4186, 71.7523, 57.0385 by changing the saturation by 10% instead.


 51.4186, 71.7523,
57.0385


 51.4186, 71.7523,
57.0385


382.5489,
466.6790, 431.0913

 36.7643, 52.9564,
40.6266


 91.4525, 121.7043,
102.0223

 25.1979, 37.7679,
27.7099


 117.5629,
153.6291, 131.4312

 16.3540, 25.8026,
17.8700


148.2225,
190.6991, 166.0095

 9.8675, 16.6760,
10.6882

183.7969,
233.2985, 206.1758

 5.3728, 10.0038,
5.7461

224.6514,
281.8118, 252.3486

 2.5046, 5.4015,
2.6250


271.1513,

 0.8976, 2.4847,


336.6234, 304.9464


0.9053


323.6620,
398.1177, 364.3878


 0.0000, 0.8690,
0.0000


 0.0000, 0.0000,
0.0000


 51.4186, 71.7523,
57.0385


 51.4186, 71.7523,
57.0385

 46.2821, 69.2660,
49.5843


 57.5904, 74.7600,
65.2771


 42.1141, 67.2613,
42.8862


 64.8476, 78.3086,
74.3178


 38.8490, 65.7067,
36.9209


 73.2435, 82.4272,
84.1837


 36.4097, 64.5630,
31.6621

 82.8266, 87.1403,
94.8955

 34.7051, 63.7839,
27.0817

 90.2516, 90.7230,
106.3144

 33.5846, 63.2922,
23.1473

 90.4515, 90.8029,
107.3672

Harmonies

Analogous

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



57.0255, 71.7523, 40.2225



51.4186, 71.7523, 57.0385



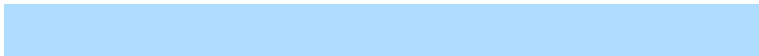
50.0956, 71.7523, 84.4018

Triad

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



51.4186, 71.7523, 57.0385



70.3559, 71.7523, 150.5111



85.7695, 71.7523, 48.8749

Complementary

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



51.4186, 71.7523, 57.0385



56.2196, 42.5968, 59.2942

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.



90.2086, 71.7523, 72.1694



51.4186, 71.7523, 57.0385



80.7430, 71.7523, 134.5040

Square

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



51.4186, 71.7523, 57.0385



60.3712, 71.7523, 143.4802



88.2813, 71.7523, 103.8595



76.6745, 71.7523, 36.4210

Rectangle

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



51.4186, 71.7523, 57.0385



51.6883, 71.7523, 106.2915



88.2813, 71.7523, 103.8595



87.8958, 71.7523, 55.4354

Sweetspot

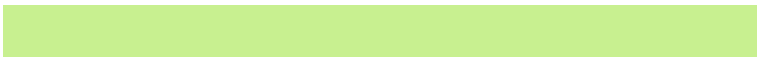
The Sweet Spot groups the original color and five complimentary colors.



51.4205, 71.7552, 57.0401



81.9792, 93.5731, 94.2208



60.0160, 76.6164, 38.0115



17.2680, 19.8916, 19.8433



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.



51.4205, 71.7552, 57.0401



54.1135, 79.9715, 58.4132



57.2295, 74.0788, 87.6296



15.8461, 17.7685, 18.2124



18.4474, 34.6710, 13.0051



1.5835, 2.9038, 1.3390

Inverse Universe

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



56.2196, 42.5968, 59.2942



60.3197, 42.2245, 61.2998



51.5779, 40.7401, 34.8517



16.1524, 15.9107, 18.3585



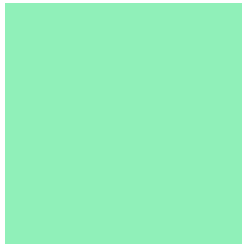
22.2310, 11.1648, 14.3989



1.8991, 0.9487, 1.4596

Previews

White Background



This preview shows how the XYZ color 51.4186, 71.7523, 57.0385 looks on a white background.

Color Contrast Check

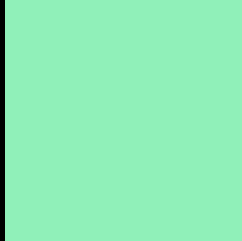
Large Text (above 18pt) WCAG AA × Fail

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 51.4186, 71.7523, 57.0385 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 51.4186, 71.7523, 57.0385

Background



This preview shows how black text looks on a background with the XYZ color 51.4186, 71.7523, 57.0385.



This preview shows how white text looks on a background with the XYZ color 51.4186, 71.7523,

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

51.4186, 71.7523, 57.0385

Protanopia

66.6737, 71.0818, 50.7635

Deuteranopia

72.1226, 70.6741, 59.1304



Tritanopia

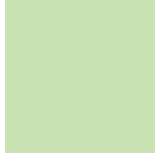
60.1293, 71.4249, 101.0597

Trichromacy



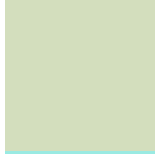
Original Color

51.4186, 71.7523, 57.0385



Protanomaly

59.6932, 70.6104, 53.1308



Deuteranomaly

62.1706, 69.7656, 58.3335



Tritanomaly

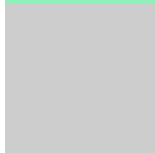
56.4767, 71.2066, 82.7191

Monochromacy



Original Color

51.4186, 71.7523, 57.0385



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.7929, 64.2873, 62.9469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4186, 71.7523, 57.0385 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(144, 240, 185)` looks like.

```
.text, #text, p{  
    color:rgb(144, 240, 185)  
}
```

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(144, 240, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 240, 185) }
```

Border

The CSS property to change the border of an element to XYZ 51.4186, 71.7523, 57.0385 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(144, 240, 185) }
```


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

```
.border{ border-color:rgb(144, 240, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 240, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 240, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 240, 185);  
box-shadow:4px 4px 4px 4px rgb(144, 240,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4186, 71.7523, 57.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 240, 185) }
```

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

```
.background{ background-color: rgb(144,  
240, 185) }
```

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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