

Converting Colors

XYZ(51.8907, 71.7481, 68.2406)

Have a look what the booklet for
XYZ(51.8907, 71.7481, 68.2406)
contains.

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Color

**XYZ(51.8907, 71.7481,
68.2406)**

Conversions

Conversions Part 1

Format	Color
Hex	86F0CC
RGB	134, 240, 204
RGB Percent	53%, 94%, 80%
CMY	0.4745, 0.0588, 0.2000
CMYK	0.44, 0.00, 0.15, 0.06
HSL	160°, 78%, 73%
HSV	160°, 44%, 94%
XYZ	51.8907, 71.7481, 68.2406
YIQ	204.2020, -51.6200, -33.6680

Conversions

Conversions Part 2

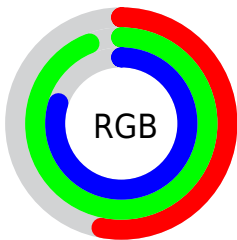
Format	Color
RYB	134, 198, 240
Decimal	8843468
CIELab	87.85, -38.97, 7.89
CIELCh	88, 39.756, 168.551
Yxy	71.7481, 0.2704, 0.3739
Android (android.graphics.Color)	4287033548 (0xFF86F0CC)
YUV	204.2020, -0.0996, -61.5672
Hunter-Lab	84.7043, -38.8815, 11.5270

Details

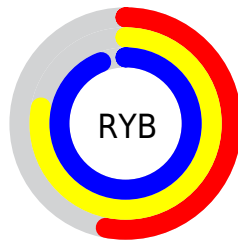
The XYZ color **51.8907, 71.7481, 68.2406** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.7184, 38.4796, 42.7345**, and the grayscale version is **57.5479, 60.5448, 65.9333**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **25.4190, 37.6055, 34.7730** is the 20% darker color. If you saturate the color by 10%, you get **47.5389, 69.6165, 63.0671**, and if you desaturate by 10%, it is **57.1657, 74.3534, 73.7276**.

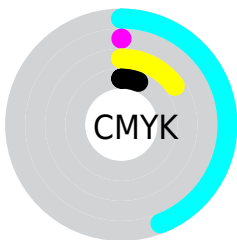
Distribution



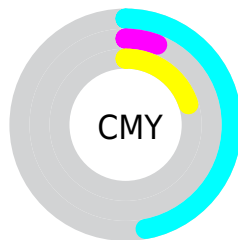
- Red (53%)
- Green (94%)
- Blue (80%)



- Red (53%)
- Yellow (78%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (47%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8907, 71.7481, 68.2406 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 51.8907, 71.7481, 68.2406 by changing the saturation by 10% instead.


 51.8907, 71.7481,
68.2406


 51.8907, 71.7481,
68.2406


384.3454,
466.6644, 472.9692


 37.1419, 52.9529,
49.6256


 92.1452, 121.6983,
118.3537

 25.4915, 37.7652,
34.7469


 118.3816,
153.6222, 150.6889

 16.5743, 25.8005,
23.1860

 149.1779,
190.6910, 188.4346

 10.0249, 16.6745,
14.5243

184.8995,
233.2893, 232.0093

 5.4779, 10.0027,
8.3433

225.9116,
281.8014, 281.8316

 2.5679, 5.4007,
4.2245

272.5798,

 0.9296, 2.4842,

336.6116, 338.3200

1.7493

325.2692,
398.1045, 401.8930

0.0000, 0.8687,
0.3942

0.0000, 0.0000,
0.0000

51.8907, 71.7481,
68.2406

51.8907, 71.7481,
68.2406

47.5389, 69.6165,
63.0671

57.1657, 74.3534,
73.7276

44.0440, 67.9191,
58.1953


63.4124, 77.4517,
79.5296

41.3402, 66.6237,
53.6194


70.6833, 81.0720,
85.6546


39.3492, 65.6901,
49.3317


79.0249, 85.2380,
92.1084

 37.9752, 65.0691,
45.3233

 88.4811, 89.9724,
98.8969

 37.3751, 64.8081,
43.1082

 90.1168, 90.6688,
105.6055

 90.4513, 90.8027,
107.3671

Harmonies

Analogous

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



55.4613, 71.7481, 48.4892



51.8907, 71.7481, 68.2406



52.3778, 71.7481, 95.8749

Triad

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



51.8907, 71.7481, 68.2406



74.1403, 71.7481, 138.5708



80.9435, 71.7481, 45.2474

Complementary

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



51.8907, 71.7481, 68.2406



51.7184, 38.4796, 42.7345

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.



86.9121, 71.7481, 62.7073



51.8907, 71.7481, 68.2406



82.7409, 71.7481, 117.8801

Square

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



51.8907, 71.7481, 68.2406



64.6509, 71.7481, 141.0300



87.5987, 71.7481, 88.9129



71.8651, 71.7481, 37.4123

Rectangle

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



51.8907, 71.7481, 68.2406



54.9483, 71.7481, 115.2478



87.5987, 71.7481, 88.9129



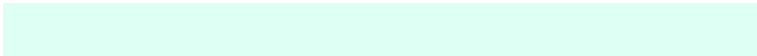
83.4147, 71.7481, 49.9709

Sweetspot

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



51.8927, 71.7510, 68.2422



82.1281, 93.5418, 99.1086



52.2818, 72.7135, 33.8351



17.1545, 19.8102, 20.8712



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.



51.8927, 71.7510, 68.2422



55.0056, 80.1106, 72.9487



52.2445, 64.7274, 92.1814



16.0059, 17.8324, 19.0542



20.5236, 35.5014, 23.9378



1.7537, 2.9719, 2.2353

Inverse Universe

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



51.7184, 38.4796, 42.7345



54.7987, 37.4010, 40.2884



51.1309, 42.0292, 27.9731



15.9943, 15.8474, 17.5263



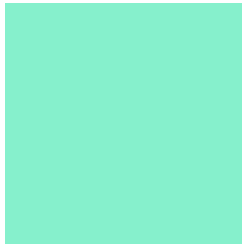
20.5508, 10.4928, 5.5513



1.7545, 0.8908, 0.6980

Previews

White Background



This preview shows how the XYZ color 51.8907, 71.7481, 68.2406 looks on a white background.

Color Contrast Check

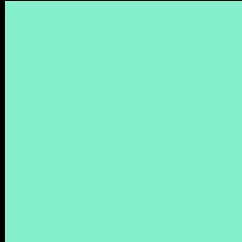
Large Text (above 18pt) WCAG AA × Fail

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 51.8907, 71.7481, 68.2406 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

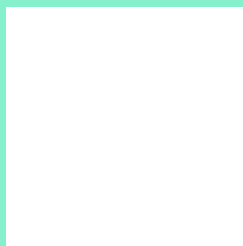
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8907, 71.7481, 68.2406

Background



This preview shows how black text looks on a background with the XYZ color 51.8907, 71.7481, 68.2406.

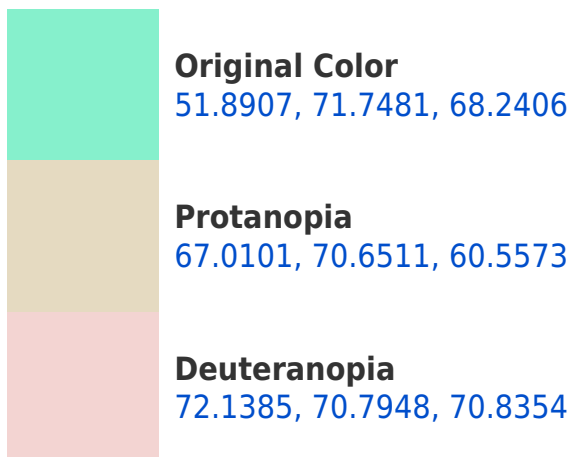


This preview shows how white text looks on a background with the XYZ color 51.8907, 71.7481,

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





Tritanopia

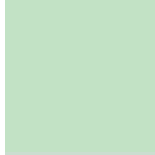
58.7422, 71.5091, 102.8021

Trichromacy



Original Color

51.8907, 71.7481, 68.2406



Protanomaly

59.5225, 69.8933, 63.1769



Deuteranomaly

62.1350, 69.4931, 69.8132



Tritanomaly

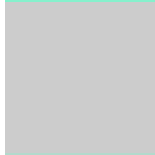
56.1462, 71.7398, 89.4852

Monochromacy



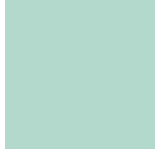
Original Color

51.8907, 71.7481, 68.2406



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.3023, 63.5690, 66.5348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8907, 71.7481, 68.2406 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(134, 240, 204)` looks like.

```
.text, #text, p{  
    color:rgb(134, 240, 204)  
}
```

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(134, 240, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 240, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.8907, 71.7481, 68.2406 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(134, 240, 204) }
```


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

```
.border{ border-color:rgb(134, 240, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 240, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 240, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 240, 204);  
box-shadow:4px 4px 4px 4px rgb(134, 240,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8907, 71.7481, 68.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 240, 204) }
```

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

```
.background{ background-color: rgb(134,  
240, 204) }
```

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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