

Converting Colors

XYZ(50.8785, 63.8335, 71.8677)

Have a look what the booklet for
XYZ(50.8785, 63.8335, 71.8677)
contains.

XYZ(51.0338, 64.1081, 71.9717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.0338, 64.1081,
71.9717)**

Conversions

Conversions Part 1

Format	Color
Hex	97DFD4
RGB	151, 223, 212
RGB Percent	59%, 87%, 83%
CMY	0.4078, 0.1255, 0.1686
CMYK	0.32, 0.00, 0.05, 0.13
HSL	171°, 53%, 73%
HSV	171°, 32%, 87%
XYZ	51.0338, 64.1081, 71.9717
YIQ	200.2180, -39.3810, -18.6850

Conversions

Conversions Part 2

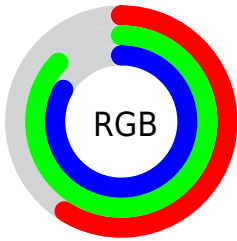
Format	Color
RYB	151, 190, 223
Decimal	9953236
CIELab	84.02, -24.74, -1.77
CIELCh	84, 24.802, 184.088
Yxy	64.1081, 0.2727, 0.3426
Android (android.graphics.Color)	4288143316 (0xFF97DFD4)
YUV	200.2180, 5.8085, -43.1642
Hunter-Lab	80.0675, -26.3451, 2.7522

Details

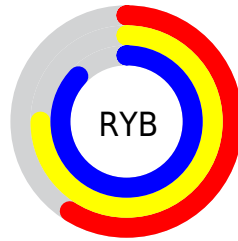
The XYZ color **51.0338, 64.1081, 71.9717** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0218, 40.4315, 39.4579**, and the grayscale version is **55.0182, 57.8834, 63.0350**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **25.0182, 32.9810, 36.9457** is the 20% darker color. If you saturate the color by 10%, you get **46.8553, 62.0048, 69.5569**, and if you desaturate by 10%, it is **56.0079, 66.6238, 74.4738**.

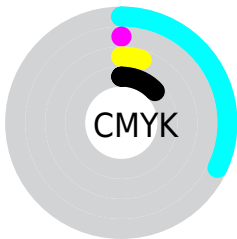
Distribution



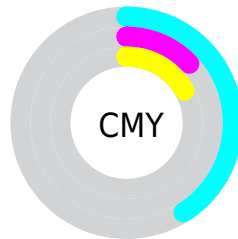
- Red (59%)
- Green (87%)
- Blue (83%)



- Red (59%)
- Yellow (75%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)





- Cyan (41%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0338, 64.1081, 71.9717 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 51.0338, 64.1081, 71.9717 by changing the saturation by 10% instead.


 51.0338, 64.1081,
71.9717

 51.0338, 64.1081,
71.9717


381.0806,
439.5799, 486.4180

 36.4567, 46.7382,
52.6489


 90.8874, 110.7666,
123.7236

 24.9588, 32.8288,
37.1367


 116.8946,
140.8240, 156.9898

 16.1750, 21.9953,
25.0168


147.4426,
175.8794, 195.7409

 9.7397, 13.8534,
15.8704

182.8966,
216.3172, 240.3953

 5.2876, 8.0188,
9.2791

223.6220,
262.5217, 291.3717

 2.4535, 4.1070,
4.8244

269.9843,

 0.8719, 1.7336,

314.8774, 349.0886

2.0877

322.3487,
373.7687, 413.9645

■ 0.0000, 0.4453,
0.6084

■ 0.0000, 0.0000,
0.0000

■ 51.0338, 64.1081,
71.9717

■ 51.0338, 64.1081,
71.9717

■ 46.8553, 62.0048,
69.5569

■ 56.0079, 66.6238,
74.4738

■ 43.4225, 60.2832,
67.2227

■ 61.8128, 69.5651,
77.0612

■ 40.6885, 58.9209,
64.9680

■ 68.4885, 72.9542,
79.7371

■ 38.5988, 57.8896,
62.7900

■ 76.0704, 76.8094,
82.5038

■ 37.0907, 57.1572,
60.6854

■ 81.7773, 79.6970,
85.2311

■ 36.0888, 56.6847,
58.6504

■ 82.2580, 79.8893,
87.7627

■ 35.5662, 56.4485,
57.1237

■ 82.7481, 80.0853,
90.3437

■ 83.2477, 80.2852,
92.9745

■ 83.7568, 80.4888,
95.6553

Harmonies

Analogous

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



51.9549, 64.1081, 57.4514



51.0338, 64.1081, 71.9717



52.6319, 64.1081, 88.0796

Triad

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



51.0338, 64.1081, 71.9717



67.0188, 64.1081, 97.8345



65.6449, 64.1081, 46.0665

Complementary

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



51.0338, 64.1081, 71.9717



48.0218, 40.4315, 39.4579

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.



70.0637, 64.1081, 54.2472



51.0338, 64.1081, 71.9717



70.8896, 64.1081, 83.8086

Square

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



51.0338, 64.1081, 71.9717



61.6855, 64.1081, 104.3594



72.0357, 64.1081, 67.6780



60.1863, 64.1081, 43.8654

Rectangle

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



51.0338, 64.1081, 71.9717



54.9704, 64.1081, 97.1471



72.0357, 64.1081, 67.6780



67.3115, 64.1081, 48.1412

Sweetspot

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



51.0356, 64.1107, 71.9732



85.6618, 95.2319, 105.2190



47.0798, 62.7989, 38.9193



18.0737, 20.2509, 22.4126



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.



51.0356, 64.1107, 71.9732



65.0823, 84.8227, 95.2270



46.5071, 52.7560, 77.5467



14.0218, 15.5345, 17.1502



20.9454, 33.2030, 33.7651



1.4765, 2.3113, 2.4704

Inverse Universe

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



48.0218, 40.4315, 39.4579



60.3797, 47.8168, 44.4489



51.3494, 48.5843, 35.9506



13.7922, 13.7345, 14.6758



18.0897, 9.3029, 1.8723



1.2808, 0.6556, 0.2716

Previews

White Background



This preview shows how the XYZ color 51.0338, 64.1081, 71.9717 looks on a white background.

Color Contrast Check

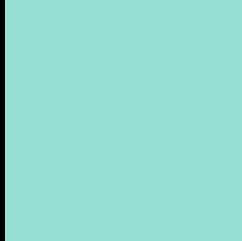
Large Text (above 18pt) WCAG AA × Fail

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 51.0338, 64.1081, 71.9717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

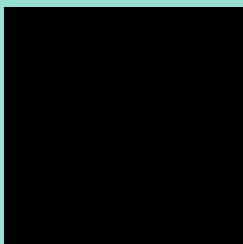
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

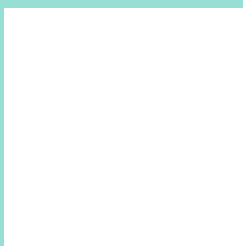
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0338, 64.1081, 71.9717

Background



This preview shows how black text looks on a background with the XYZ color 51.0338, 64.1081, 71.9717.



This preview shows how white text looks on a background with the XYZ color 51.0338, 64.1081,

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

51.0338, 64.1081, 71.9717

Protanopia

61.0669, 63.7197, 65.5805

Deuteranopia

64.5665, 63.2065, 73.7628



Tritanopia

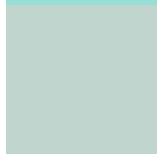
54.5222, 63.9456, 89.5899

Trichromacy



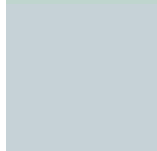
Original Color

51.0338, 64.1081, 71.9717



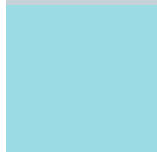
Protanomaly

56.4207, 63.1211, 67.6024



Deuteranomaly

58.6010, 63.0053, 73.3626



Tritanomaly

53.1144, 63.7564, 82.9056

Monochromacy



Original Color

51.0338, 64.1081, 71.9717



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.7464, 59.4165, 65.8152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0338, 64.1081, 71.9717 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(151, 223, 212)` looks like.

```
.text, #text, p{  
    color:rgb(151, 223, 212)  
}
```

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(151, 223, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 223, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.0338, 64.1081, 71.9717 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(151, 223, 212) }
```


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

```
.border{ border-color:rgb(151, 223, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 223, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 223, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 223, 212);  
box-shadow:4px 4px 4px 4px rgb(151, 223,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0338, 64.1081, 71.9717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 223, 212) }
```

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

```
.background{ background-color: rgb(151,  
223, 212) }
```

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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