

Converting Colors

XYZ(51.3479, 63.8059, 75.3058)

Have a look what the booklet for
XYZ(51.3479, 63.8059, 75.3058)
contains.

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Color

**XYZ(51.4082, 63.8316,
75.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	97DED9
RGB	151, 222, 217
RGB Percent	59%, 87%, 85%
CMY	0.4078, 0.1294, 0.1490
CMYK	0.32, 0.00, 0.02, 0.13
HSL	176°, 52%, 73%
HSV	176°, 32%, 87%
XYZ	51.4082, 63.8316, 75.2569
YIQ	200.2010, -40.7110, -16.6070

Conversions

Conversions Part 2

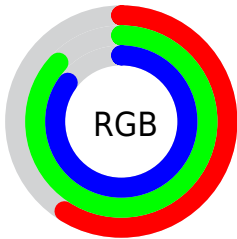
Format	Color
RYB	151, 188, 222
Decimal	9952985
CIELab	83.88, -23.13, -4.63
CIELCh	84, 23.586, 191.315
Yxy	63.8316, 0.2699, 0.3351
Android (android.graphics.Color)	4288143065 (0xFF97DED9)
YUV	200.2010, 8.2819, -43.1493
Hunter-Lab	79.8947, -24.9599, 0.0780

Details

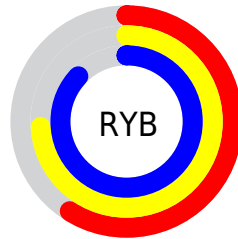
The XYZ color **51.4082, 63.8316, 75.2569** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1938, 40.0650, 36.7010**, and the grayscale version is **54.9936, 57.8575, 63.0069**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **25.2701, 32.7875, 39.1792** is the 20% darker color. If you saturate the color by 10%, you get **47.4677, 61.8252, 74.0167**, and if you desaturate by 10%, it is **56.1301, 66.2438, 76.5465**.

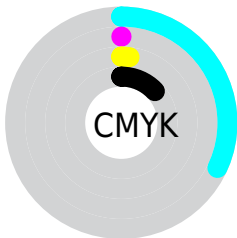
Distribution



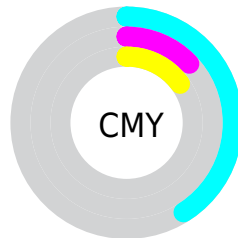
- Red (59%)
- Green (87%)
- Blue (85%)



- Red (59%)
- Yellow (74%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (41%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4082, 63.8316, 75.2569 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 51.4082, 63.8316, 75.2569 by changing the saturation by 10% instead.

51.4082, 63.8316,
75.2569

51.4082, 63.8316,
75.2569

382.5092,
438.5813, 498.0791

36.7559, 46.5143,
55.3204

91.4373, 110.3684,
128.4264

25.1914, 32.6519,
39.2580

117.5448,
140.3566, 162.4964

16.3492, 21.8599,
26.6511

148.2015,
175.3373, 202.1147

9.8640, 13.7540,
17.0812

183.7726,
215.6949, 247.6999

5.3705, 7.9498,
10.1299

224.6236,
261.8136, 299.6703

2.5032, 4.0628,
5.3784

271.1198,

0.8969, 1.7088,

314.0780, 358.4446

2.4084

323.6266,
372.8724, 424.4414

■ 0.0000, 0.4293,
0.7910

■ 0.0000, 0.0000,
0.0000

■ 51.4082, 63.8316,
75.2569

■ 51.4082, 63.8316,
75.2569

■ 47.4677, 61.8252,
74.0167

■ 56.1301, 66.2438,
76.5465

■ 44.2595, 60.1945,
72.8195

■ 61.6681, 69.0749,
77.8829

■ 41.7373, 58.9172,
71.6644

■ 68.0615, 72.3468,
79.2695

■ 39.8475, 57.9657,
70.5489

■ 75.3455, 76.0775,
80.7080

■ 38.5285, 57.3083,
69.4700

■ 80.9287, 78.9312,
82.0770

■ 37.7061, 56.9066,
68.4243

■ 81.1429, 79.0169,
83.2050

■ 37.3070, 56.7186,
67.6052

■ 81.3591, 79.1034,
84.3433

■ 81.5772, 79.1906,
85.4919

■ 81.7973, 79.2787,
86.6509

Harmonies

Analogous

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



51.7058, 63.8316, 60.7486



51.4082, 63.8316, 75.2569



53.4845, 63.8316, 90.1118

Triad

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



51.4082, 63.8316, 75.2569



67.4942, 63.8316, 93.2333



63.9209, 63.8316, 45.8074

Complementary

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



51.4082, 63.8316, 75.2569



47.1938, 40.0650, 36.7010

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.



68.4719, 63.8316, 52.3014



51.4082, 63.8316, 75.2569



70.6147, 63.8316, 79.0578

Square

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



51.4082, 63.8316, 75.2569



62.6476, 63.8316, 101.4334



70.9824, 63.8316, 64.0478



58.7345, 63.8316, 45.0916

Rectangle

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



51.4082, 63.8316, 75.2569



56.0086, 63.8316, 97.6854



70.9824, 63.8316, 64.0478



65.5832, 63.8316, 47.3386

Sweetspot

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



51.4101, 63.8342, 75.2584



85.9949, 95.3652, 106.9734



45.5976, 61.6392, 38.7739



18.1549, 20.2834, 22.8400



0.0000, 0.0000, 0.0000



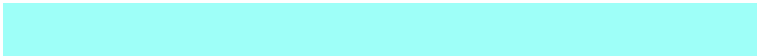
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4101, 63.8342, 75.2584



66.8503, 85.5873, 101.9442



44.8906, 49.7379, 76.3445



14.0727, 15.5548, 17.4181



22.1761, 33.6953, 40.2458



1.5498, 2.3406, 2.8564

Inverse Universe

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



47.1938, 40.0650, 36.7010



60.2688, 48.4618, 41.7401



52.1516, 50.6447, 36.3063



13.7462, 13.7161, 14.4338



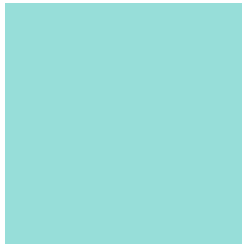
17.9620, 9.2518, 1.1998



1.2590, 0.6469, 0.1565

Previews

White Background



This preview shows how the XYZ color 51.4082, 63.8316, 75.2569 looks on a white background.

Color Contrast Check

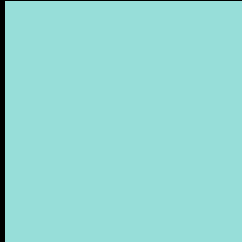
Large Text (above 18pt) WCAG AA × Fail

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 51.4082, 63.8316, 75.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

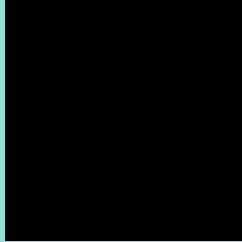
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4082, 63.8316, 75.2569

Background



This preview shows how black text looks on a background with the XYZ color 51.4082, 63.8316, 75.2569.



This preview shows how white text looks on a background with the XYZ color 51.4082, 63.8316,

75.2569.

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

51.4082, 63.8316, 75.2569

Protanopia

60.8494, 63.1768, 68.6617

Deuteranopia

64.6031, 63.1495, 77.1907



Tritanopia

54.3279, 63.8454, 89.5808

Trichromacy



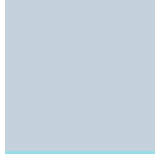
Original Color

51.4082, 63.8316, 75.2569



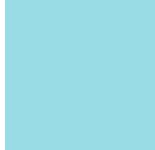
Protanomaly

56.5366, 62.7373, 70.7577



Deuteranomaly

58.7447, 62.6386, 76.7044



Tritanomaly

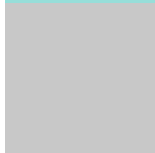
53.2026, 63.7696, 84.3676

Monochromacy



Original Color

51.4082, 63.8316, 75.2569



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.9879, 59.5131, 67.0869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4082, 63.8316, 75.2569 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, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(151, 222, 217)  
}
```

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, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 222, 217) }
```

Border

The CSS property to change the border of an element to XYZ 51.4082, 63.8316, 75.2569 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, 222, 217) }
```


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

```
.border{ border-color:rgb(151, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(151, 222,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4082, 63.8316, 75.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 222, 217) }
```

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

```
.background{ background-color: rgb(151,  
222, 217) }
```

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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