

Converting Colors

XYZ(51.1840, 61.4532, 71.5209)

Have a look what the booklet for
XYZ(51.1840, 61.4532, 71.5209)
contains.

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Color

**XYZ(51.1375, 61.4423,
71.4517)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D8D4
RGB	161, 216, 212
RGB Percent	63%, 85%, 83%
CMY	0.3686, 0.1529, 0.1686
CMYK	0.25, 0.00, 0.02, 0.15
HSL	176°, 41%, 74%
HSV	176°, 25%, 85%
XYZ	51.1375, 61.4423, 71.4517
YIQ	199.0990, -31.4960, -12.9040

Conversions

Conversions Part 2

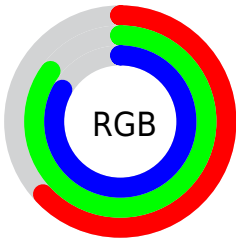
Format	Color
RYB	161, 190, 216
Decimal	10606804
CIELab	82.62, -18.40, -3.77
CIELCh	83, 18.786, 191.582
Yxy	61.4423, 0.2779, 0.3339
Android (android.graphics.Color)	4288796884 (0xFFA1D8D4)
YUV	199.0990, 6.3602, -33.4128
Hunter-Lab	78.3851, -20.7228, 0.8240

Details

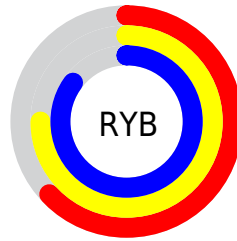
The XYZ color **51.1375, 61.4423, 71.4517** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8575, 42.8070, 41.3400**, and the grayscale version is **54.3242, 57.1533, 62.2400**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **25.0150, 31.1122, 36.5851** is the 20% darker color. If you saturate the color by 10%, you get **46.9582, 59.3122, 70.2272**, and if you desaturate by 10%, it is **56.0743, 63.9659, 72.7243**.

Distribution



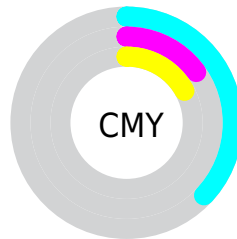
- Red (63%)
- Green (85%)
- Blue (83%)



- Red (63%)
- Yellow (75%)
- Blue (85%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)





- Cyan (37%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1375, 61.4423, 71.4517 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 51.1375, 61.4423, 71.4517 by changing the saturation by 10% instead.


 51.1375, 61.4423,
71.4517


 51.1375, 61.4423,
71.4517


381.4766,
429.8939, 484.5571

 36.5395, 44.5822,
52.2268


 91.0398, 106.9191,
122.9771

 25.0232, 31.1285,
36.8024


 117.0748,
136.3046, 156.1147

 16.2232, 20.6967,
24.7599

147.6529,
170.6340, 194.7270

 9.7741, 12.9025,
15.6809

183.1394,
210.2918, 239.2325

 5.3105, 7.3614,
9.1467

223.8996,
255.6622, 290.0497

 2.4672, 3.6891,
4.7389

270.2990,

 0.8787, 1.5012,

307.1298, 347.5971

2.0388

322.7029,
365.0789, 412.2934

■ 0.0000, 0.2896,
0.5790

■ 0.0000, 0.0000,
0.0000

■ 51.1375, 61.4423,
71.4517

■ 51.1375, 61.4423,
71.4517

■ 46.9582, 59.3122,
70.2272

■ 56.0743, 63.9659,
72.7243

■ 43.4923, 57.5480,
69.0448

■ 61.7990, 66.8938,
74.0427

■ 40.6995, 56.1306,
67.9040

■ 68.3472, 70.2460,
75.4097

■ 38.5333, 55.0361,
66.8025

■ 75.7503, 74.0388,
76.8268

36.9413, 54.2373,
65.7378

78.6969, 75.5339,
78.0456

35.8624, 53.7028,
64.7071

78.9059, 75.6175,
79.1465

35.2220, 53.3941,
63.7067

79.1169, 75.7019,
80.2578

35.0156, 53.2974,
63.2601

79.3299, 75.7871,
81.3794

79.5449, 75.8731,
82.5113

Harmonies

Analogous

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



51.3565, 61.4423, 60.1357



51.1375, 61.4423, 71.4517



52.7967, 61.4423, 82.7231

Triad

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



51.1375, 61.4423, 71.4517



63.6901, 61.4423, 84.8960



60.8798, 61.4423, 47.9895

Complementary

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



51.1375, 61.4423, 71.4517



47.8575, 42.8070, 41.3400

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.



64.3844, 61.4423, 53.2357



51.1375, 61.4423, 71.4517



66.0577, 61.4423, 74.1539

Square

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



51.1375, 61.4423, 71.4517



59.9674, 61.4423, 91.0599



66.3174, 61.4423, 62.5462



56.8583, 61.4423, 47.4432

Rectangle

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



51.1375, 61.4423, 71.4517



54.7912, 61.4423, 88.3597



66.3174, 61.4423, 62.5462



62.1620, 61.4423, 49.2311

Sweetspot

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



51.1393, 61.4448, 71.4531



87.7009, 96.2389, 107.3132



46.6294, 59.7495, 42.7946



18.4944, 20.4573, 22.9067



0.0000, 0.0000, 0.0000



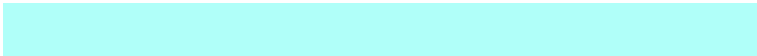
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1393, 61.4448, 71.4531



70.7907, 87.5993, 103.0021



46.1829, 50.7138, 72.3233



12.7514, 14.0916, 15.7711



20.7421, 31.5522, 37.5330



1.2630, 1.9078, 2.3266

Inverse Universe

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



47.8575, 42.8070, 41.3400



65.1683, 55.6562, 51.4031



51.8773, 51.4206, 40.9103



12.4596, 12.4353, 13.0943



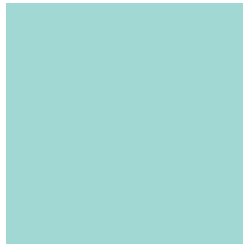
16.8310, 8.6687, 1.1480



1.0283, 0.5281, 0.1383

Previews

White Background



This preview shows how the XYZ color 51.1375, 61.4423, 71.4517 looks on a white background.

Color Contrast Check

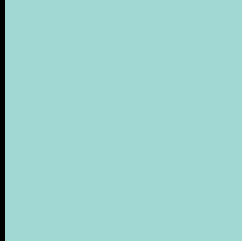
Large Text (above 18pt) WCAG AA × Fail

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 51.1375, 61.4423, 71.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

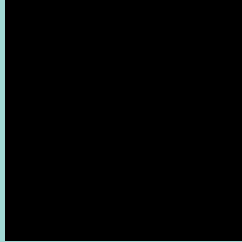
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1375, 61.4423, 71.4517

Background



This preview shows how black text looks on a background with the XYZ color 51.1375, 61.4423, 71.4517.

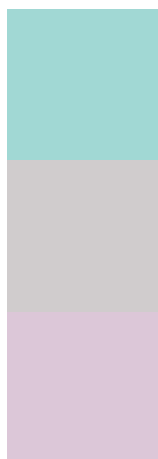


This preview shows how white text looks on a background with the XYZ color 51.1375, 61.4423,

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

51.1375, 61.4423, 71.4517

Protanopia

58.6247, 61.0034, 66.4426

Deuteranopia

62.3333, 61.0204, 73.4585



Tritanopia

53.5942, 61.3010, 83.8705

Trichromacy



Original Color

51.1375, 61.4423, 71.4517

Protanomaly

55.4269, 60.7422, 68.4776

Deuteranomaly

57.6503, 60.7111, 72.9699

Tritanomaly

52.6757, 61.3134, 78.8704

Monochromacy



Original Color

51.1375, 61.4423, 71.4517

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.7380, 58.3366, 65.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1375, 61.4423, 71.4517 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(161, 216, 212)` looks like.

```
.text, #text, p{  
    color:rgb(161, 216, 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(161, 216, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 216, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.1375, 61.4423, 71.4517 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(161, 216, 212) }
```


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

```
.border{ border-color:rgb(161, 216, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 216, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 216, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 216, 212); box-shadow:4px 4px 4px 4px rgb(161, 216, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1375, 61.4423, 71.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 216, 212) }
```

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

```
.background{ background-color: rgb(161,  
216, 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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