

Converting Colors

XYZ(51.8885, 62.9883, 76.6482)

Have a look what the booklet for
XYZ(51.8885, 62.9883, 76.6482)
contains.

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Color

**XYZ(51.8280, 62.8454,
76.4166)**

Conversions

Conversions Part 1

Format	Color
Hex	9CDBDB
RGB	156, 219, 219
RGB Percent	61%, 86%, 86%
CMY	0.3882, 0.1412, 0.1412
CMYK	0.29, 0.00, 0.00, 0.14
HSL	180°, 47%, 74%
HSV	180°, 29%, 86%
XYZ	51.8280, 62.8454, 76.4166
YIQ	200.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

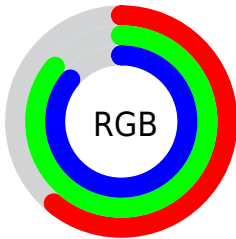
Format	Color
R _Y B	156, 188, 219
Decimal	10279899
CIE Lab	83.36, -19.79, -6.42
CIE LCh	83, 20.809, 197.979
Yxy	62.8454, 0.2712, 0.3289
Android (android.graphics.Color)	4288469979 (0xFF9CDBDB)
YUV	200.1630, 9.2866, -38.7310
Hunter-Lab	79.2751, -22.0327, -1.6596

Details

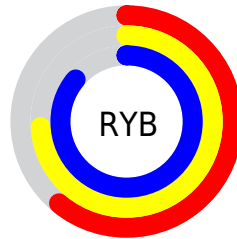
The XYZ color **51.8280, 62.8454, 76.4166** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1048, 41.2391, 36.9322**, and the grayscale version is **54.9627, 57.8251, 62.9715**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **25.4558, 32.0560, 39.9677** is the 20% darker color. If you saturate the color by 10%, you get **47.9667, 60.8564, 76.2366**, and if you desaturate by 10%, it is **56.4570, 65.2333, 76.6352**.

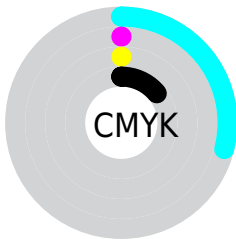
Distribution



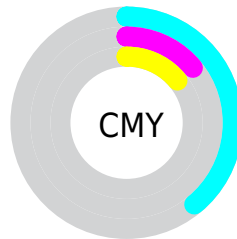
- Red (61%)
- Green (86%)
- Blue (86%)



- Red (61%)
- Yellow (74%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (39%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8280, 62.8454, 76.4166 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 51.8280, 62.8454, 76.4166 by changing the saturation by 10% instead.

■ 51.8280, 62.8454,
76.4166

■ 51.8280, 62.8454,
76.4166

384.1071,
435.0082, 502.1573

■ 37.0917, 45.7162,
56.2655

■ 92.0533, 108.9464,
130.0811

■ 25.4525, 32.0219,
40.0104

■ 118.2729,
138.6870, 164.4316

■ 16.5450, 21.3782,
27.2328

149.0511,
173.4002, 204.3522

■ 10.0039, 13.4007,
17.5142

184.7532,
213.4703, 250.2616

■ 5.4639, 7.7051,
10.4359

225.7444,
259.2817, 302.5783

■ 2.5594, 3.9068,
5.5796

272.3903,

■ 0.9253, 1.6216,

311.2189, 361.7208

2.5265

325.0560,
369.6663, 428.1076

■ 0.0000, 0.3721,
0.8542

■ 0.0000, 0.0000,
0.0000

■ 51.8280, 62.8454,
76.4166

■ 51.8280, 62.8454,
76.4166

■ 47.9667, 60.8564,
76.2366

■ 56.4570, 65.2333,
76.6352

■ 44.8266, 59.2376,
76.0891

■ 61.8862, 68.0322,
76.8899

■ 42.3645, 57.9684,
75.9733

■ 68.1530, 71.2628,
77.1838

■ 40.5305, 57.0229,
75.8868

■ 75.2906, 74.9423,
77.5184

39.2678, 56.3720,
75.8271

79.3595, 77.0399,
77.7094

38.5094, 55.9811,
75.7910

79.3597, 77.0400,
77.7100

38.1520, 55.7968,
75.7737

79.3598, 77.0400,
77.7106

38.1181, 55.7794,
75.7721

79.3599, 77.0401,
77.7112

79.3600, 77.0401,
77.7118

Harmonies

Analogous

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



51.6153, 62.8454, 63.3648



51.8280, 62.8454, 76.4166



54.0919, 62.8454, 88.6739

Triad

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



51.8280, 62.8454, 76.4166



66.4370, 62.8454, 86.5138



61.5645, 62.8454, 46.8223

Complementary

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



51.8280, 62.8454, 76.4166



47.1048, 41.2391, 36.9322

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.



65.7526, 62.8454, 51.5251



51.8280, 62.8454, 76.4166



68.6594, 62.8454, 73.7539

Square

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



51.8280, 62.8454, 76.4166



62.4606, 62.8454, 94.9913



68.4028, 62.8454, 61.0164



57.0854, 62.8454, 47.3451

Rectangle

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



51.8280, 62.8454, 76.4166



56.5272, 62.8454, 94.2445



68.4028, 62.8454, 61.0164



63.0571, 62.8454, 47.8173

Sweetspot

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



51.8298, 62.8479, 76.4180



87.1048, 95.9041, 108.5274



45.2486, 60.2390, 40.6962



18.3888, 20.3959, 23.2174



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.



51.8298, 62.8479, 76.4180



69.4829, 86.8198, 107.7005



44.5993, 48.3863, 74.0095



13.4449, 14.8296, 16.8058



22.6013, 33.0732, 44.9274



1.4642, 2.1426, 2.9107

Inverse Universe

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



47.1048, 41.2391, 36.9322



61.6912, 51.1858, 42.5863



52.8702, 52.7703, 38.8529



13.0561, 13.0515, 13.5568



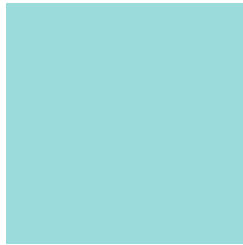
17.3222, 8.9299, 0.8109



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 51.8280, 62.8454, 76.4166 looks on a white background.

Color Contrast Check

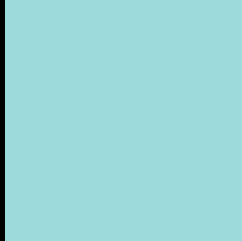
Large Text (above 18pt) WCAG AA × Fail

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 51.8280, 62.8454, 76.4166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

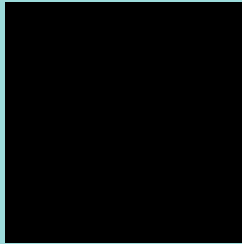
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8280, 62.8454, 76.4166

Background



This preview shows how black text looks on a background with the XYZ color 51.8280, 62.8454, 76.4166.

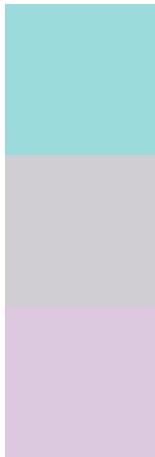


This preview shows how white text looks on a background with the XYZ color 51.8280, 62.8454,

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**

51.8280, 62.8454, 76.4166

Protanopia

60.1237, 62.4011, 70.5038

Deuteranopia

63.7211, 62.3166, 78.4819



Tritanopia

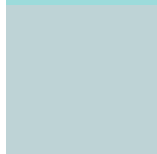
53.9622, 62.9371, 87.1459

Trichromacy



Original Color

51.8280, 62.8454, 76.4166



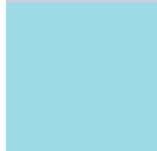
Protanomaly

56.6671, 62.3907, 72.6743



Deuteranomaly

58.7666, 62.2560, 78.0265



Tritanomaly

53.3148, 63.0691, 83.4923

Monochromacy



Original Color

51.8280, 62.8454, 76.4166



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

53.3425, 59.3210, 67.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8280, 62.8454, 76.4166 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(156, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(156, 219, 219)  
}
```

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(156, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 51.8280, 62.8454, 76.4166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

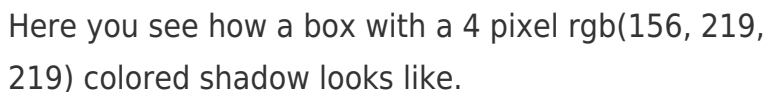
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 219, 219) }
```


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

```
.border{ border-color:rgb(156, 219, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 219, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 219, 219); box-shadow:4px 4px 4px 4px rgb(156, 219, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8280, 62.8454, 76.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 219, 219) }
```

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

```
.background{ background-color: rgb(156,  
219, 219) }
```

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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