

Converting Colors

XYZ(50.0119, 61.7845, 81.9627)

Have a look what the booklet for
XYZ(50.0119, 61.7845, 81.9627)
contains.

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Color

**XYZ(50.0119, 61.7845,
81.9627)**

Conversions

Conversions Part 1

Format	Color
Hex	8CDBE3
RGB	140, 219, 227
RGB Percent	55%, 86%, 89%
CMY	0.4510, 0.1412, 0.1098
CMYK	0.38, 0.04, 0.00, 0.11
HSL	186°, 61%, 72%
HSV	186°, 38%, 89%
XYZ	50.0119, 61.7845, 81.9627
YIQ	196.2910, -49.6520, -14.2600

Conversions

Conversions Part 2

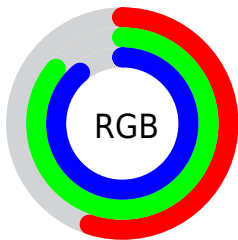
Format	Color
RYB	140, 181, 227
Decimal	9231331
CIELab	82.80, -22.20, -11.59
CIELCh	83, 25.042, 207.575
Yxy	61.7845, 0.2581, 0.3189
Android (android.graphics.Color)	4287421411 (0xFF8CDBE3)
YUV	196.2910, 15.1395, -49.3672
Hunter-Lab	78.6031, -23.9833, -6.8019

Details

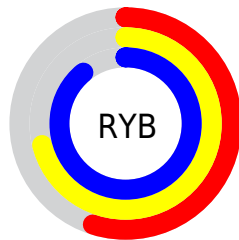
The XYZ color **50.0119, 61.7845, 81.9627** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0032, 39.4051, 29.9412**, and the grayscale version is **52.5789, 55.3171, 60.2403**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.3780, 31.4143, 43.8084** is the 20% darker color. If you saturate the color by 10%, you get **46.0338, 58.9320, 81.6228**, and if you desaturate by 10%, it is **54.7895, 65.0622, 82.3446**.

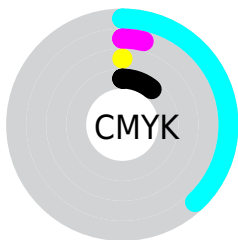
Distribution



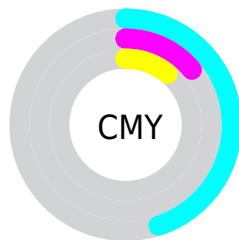
- Red (55%)
- Green (86%)
- Blue (89%)



- Red (55%)
- Yellow (71%)
- Blue (89%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (45%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0119, 61.7845, 81.9627 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 50.0119, 61.7845, 81.9627 by changing the saturation by 10% instead.


 50.0119, 61.7845,
81.9627


 50.0119, 61.7845,
81.9627


377.1637,
431.1446, 521.4031

 35.6407, 44.8586,
60.7992


 89.3842, 107.4140,
137.9579

 24.3256, 31.3461,
43.6336


 115.1160,
136.8864, 173.6266

 15.7014, 20.8625,
30.0475


145.3655,
171.3098, 214.9675

 9.4026, 13.0235,
19.6223

180.4978,
211.0684, 262.3991

 5.0639, 7.4448,
11.9394

220.8784,
256.5469, 316.3399

 2.3200, 3.7418,
6.5804

266.8727,

 0.8048, 1.5302,

308.1295, 377.2085

3.1267

318.8460,
366.2006, 445.4234

■ 0.0000, 0.3098,
1.1597

■ 0.0000, 0.0000,
0.0000

■ 50.0119, 61.7845,
81.9627

■ 50.0119, 61.7845,
81.9627

■ 46.0338, 58.9320,
81.6228

■ 54.7895, 65.0622,
82.3446

■ 42.8008, 56.4722,
81.3185

■ 60.4058, 68.7810,
82.7664

■ 40.2604, 54.3796,
81.0484

■ 66.9039, 72.9646,
83.2314

■ 38.3508, 52.6221,
80.8099

■ 74.3226, 77.6330,
83.7415

■ 36.9993, 51.1624,
80.5993

■ 82.6981, 82.8050,
84.2984

■ 36.1006, 49.9461,
80.4119

■ 83.8283, 84.2522,
84.5181

■ 35.9687, 49.7528,
80.3816

■ 84.4177, 85.4308,
84.7146

■ 85.0140, 86.6235,
84.9134

■ 85.6174, 87.8302,
85.1145

Harmonies

Analogous

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



48.9702, 61.7845, 66.0253



50.0119, 61.7845, 81.9627



53.3429, 61.7845, 95.5523

Triad

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



50.0119, 61.7845, 81.9627



67.9100, 61.7845, 84.4680



59.1637, 61.7845, 41.7711

Complementary

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



50.0119, 61.7845, 81.9627



47.0032, 39.4051, 29.9412

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.



64.4560, 61.7845, 45.2085



50.0119, 61.7845, 81.9627



69.6946, 61.7845, 68.5359

Square

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



50.0119, 61.7845, 81.9627



63.6516, 61.7845, 97.1473



68.3940, 61.7845, 54.4522



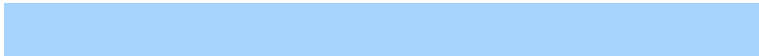
54.0581, 61.7845, 44.2522

Rectangle

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



50.0119, 61.7845, 81.9627



56.5234, 61.7845, 100.6056



68.3940, 61.7845, 54.4522



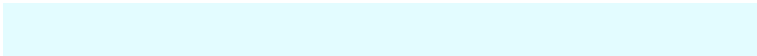
60.9816, 61.7845, 42.2594

Sweetspot

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



50.0138, 61.7869, 81.9641



84.6557, 93.4285, 108.1794



43.5718, 62.6293, 37.5006



17.8674, 19.8357, 23.1369



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.



50.0138, 61.7869, 81.9641



60.8975, 77.4295, 106.3435



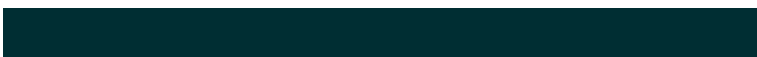
40.2563, 42.2720, 78.7116



14.6882, 16.0979, 18.4774



21.0224, 29.1070, 46.8934



1.5868, 2.2174, 3.4763

Inverse Universe

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



53.8444, 40.2032, 71.9425



66.6475, 45.8958, 91.1065



54.9898, 55.3785, 32.6035



14.9350, 14.5912, 17.8580



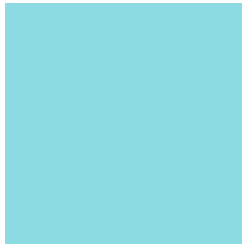
25.0047, 12.1361, 35.2492



1.8645, 0.9035, 2.6932

Previews

White Background



This preview shows how the XYZ color 50.0119, 61.7845, 81.9627 looks on a white background.

Color Contrast Check

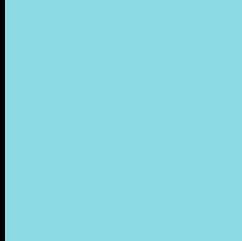
Large Text (above 18pt) WCAG AA × Fail

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 50.0119, 61.7845, 81.9627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

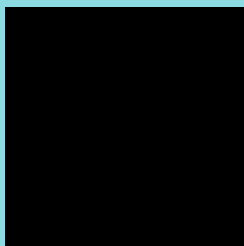
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

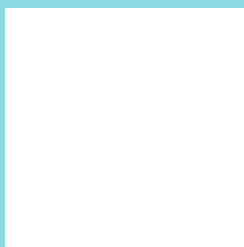
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0119, 61.7845, 81.9627

Background



This preview shows how black text looks on a background with the XYZ color 50.0119, 61.7845, 81.9627.

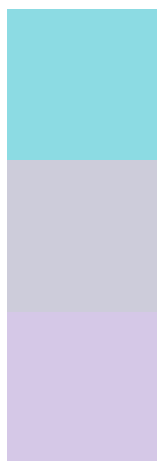


This preview shows how white text looks on a background with the XYZ color 50.0119, 61.7845,

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

50.0119, 61.7845, 81.9627

Protanopia

59.4246, 61.2268, 75.0156

Deuteranopia

62.5187, 61.2242, 84.1237



Tritanopia

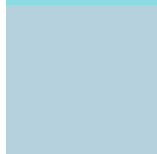
51.2221, 61.8917, 87.8439

Trichromacy



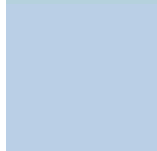
Original Color

50.0119, 61.7845, 81.9627



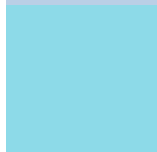
Protanomaly

54.9077, 60.6451, 77.2184



Deuteranomaly

56.8455, 60.7779, 83.5981



Tritanomaly

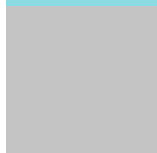
50.6214, 61.6317, 85.5720

Monochromacy



Original Color

50.0119, 61.7845, 81.9627



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.7598, 56.9208, 67.3430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0119, 61.7845, 81.9627 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(140, 219, 227)` looks like.

```
.text, #text, p{  
    color:rgb(140, 219, 227)  
}
```

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(140, 219, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 219, 227) }
```

Border

The CSS property to change the border of an element to XYZ 50.0119, 61.7845, 81.9627 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(140, 219, 227) }
```


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

```
.border{ border-color:rgb(140, 219, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 219, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 219, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 219, 227);  
box-shadow:4px 4px 4px 4px rgb(140, 219,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0119, 61.7845, 81.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 219, 227) }
```

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

```
.background{ background-color: rgb(140,  
219, 227) }
```

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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