

Converting Colors

XYZ(62.9870, 78.5270, 79.3812)

Have a look what the booklet for
XYZ(62.9870, 78.5270, 79.3812)
contains.

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Color

**XYZ(63.1003, 78.6156,
79.5587)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F3DC
RGB	177, 243, 220
RGB Percent	69%, 95%, 86%
CMY	0.3059, 0.0470, 0.1372
CMYK	0.27, 0.00, 0.09, 0.05
HSL	159°, 73%, 82%
HSV	159°, 27%, 95%
XYZ	63.1003, 78.6156, 79.5587
YIQ	220.6440, -31.9530, -21.1450

Conversions

Conversions Part 2

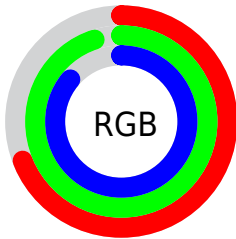
Format	Color
RYB	177, 217, 243
Decimal	11662300
CIELab	91.06, -25.28, 4.45
CIElCh	91, 25.672, 170.022
Yxy	78.6156, 0.2852, 0.3553
Android (android.graphics.Color)	4289852380 (0xFFB1F3DC)
YUV	220.6440, -0.3175, -38.2758
Hunter-Lab	88.6654, -28.1319, 8.8654

Details

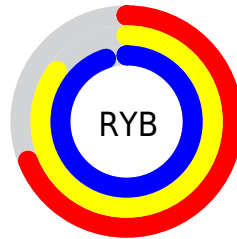
The XYZ color **63.1003, 78.6156, 79.5587** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1123, 54.6711, 61.8730**, and the grayscale version is **68.4976, 72.0648, 78.4786**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **32.7302, 42.4682, 42.0694** is the 20% darker color. If you saturate the color by 10%, you get **56.9574, 75.5773, 73.5646**, and if you desaturate by 10%, it is **70.2900, 82.1912, 85.9018**.

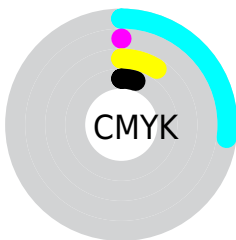
Distribution



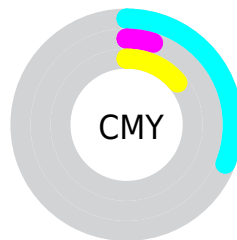
- Red (69%)
- Green (95%)
- Blue (86%)



- Red (69%)
- Yellow (85%)
- Blue (95%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)





- Cyan (31%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1003, 78.6156, 79.5587 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 63.1003, 78.6156, 79.5587 by changing the saturation by 10% instead.


 63.1003, 78.6156,
79.5587

 63.1003, 78.6156,
79.5587


425.5873,
490.2550, 513.1119

 46.1813, 58.5798,
58.8312


 108.3952,
131.4176, 134.5509

 32.5941, 42.2750,
42.0582


137.5018,
164.9525, 169.6527

 21.9735, 29.3167,
28.8209

171.4017,
203.7560, 210.3831

 13.9539, 19.3205,
18.7010

210.4602,
248.2124, 257.1605

 8.1701, 11.9021,
11.2798

255.0426,
298.7061, 310.4036

 4.2567, 6.6770,
6.1388

305.5144,

 1.8484, 3.2610,

355.6215, 370.5308

2.8595

362.2408,
419.3430, 437.9607

■ 0.5465, 1.2694,
1.0234

■ 0.0000, 0.1174,
0.0000

■ 63.1003, 78.6156,
79.5587

■ 63.1003, 78.6156,
79.5587

■ 56.9574, 75.5773,
73.5646

■ 70.2900, 82.1912,
85.9018

■ 51.8017, 73.0393,
67.9073

■ 78.5691, 86.3197,
92.5952

■ 47.5772, 70.9750,
62.5816

■ 87.9858, 91.0279,
99.6469

■ 44.2197, 69.3513,
57.5797

■ 91.1619, 92.5120,
106.7157

■ 41.6565, 68.1310,
52.8937

■ 91.3420, 92.5841,
107.6640

■ 39.8021, 67.2701,
48.5148

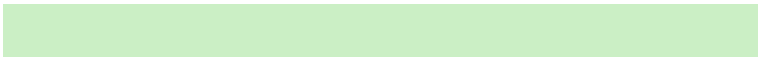
■ 38.5465, 66.7118,
44.4330

■ 38.2506, 66.5835,
43.3253

Harmonies

Analogous

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



65.5671, 78.6156, 64.6417



63.1003, 78.6156, 79.5587



63.6065, 78.6156, 98.4189

Triad

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



63.1003, 78.6156, 79.5587



79.0734, 78.6156, 123.7316



83.0239, 78.6156, 61.0438

Complementary

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



63.1003, 78.6156, 79.5587



63.1123, 54.6711, 61.8730

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.



87.0619, 78.6156, 73.9437



63.1003, 78.6156, 79.5587



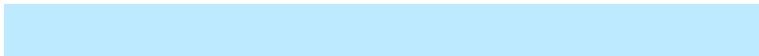
84.6912, 78.6156, 110.6573

Square

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



63.1003, 78.6156, 79.5587



72.5818, 78.6156, 125.8122



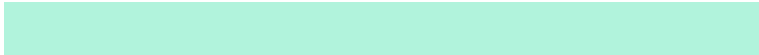
87.6891, 78.6156, 91.9376



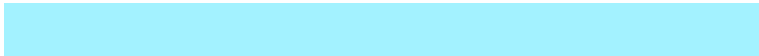
76.9034, 78.6156, 55.0221

Rectangle

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



63.1003, 78.6156, 79.5587



65.5728, 78.6156, 110.6825



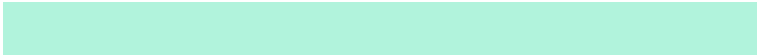
87.6891, 78.6156, 91.9376



84.6844, 78.6156, 64.6241

Sweetspot

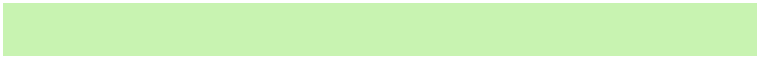
The Sweet Spot groups the original color and five complimentary colors.



63.1025, 78.6188, 79.5605



86.8153, 95.8847, 102.6496



63.8350, 79.5720, 53.5906



18.2702, 20.3676, 21.7258



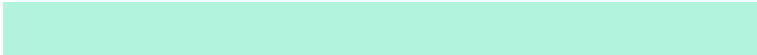
0.0000, 0.0000, 0.0000



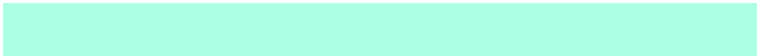
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1025, 78.6188, 79.5605



66.2045, 85.6341, 84.7556



63.4788, 74.1557, 95.7656



16.7371, 18.6540, 19.8998



21.0585, 36.5682, 24.1257



1.8993, 3.2334, 2.3755

Inverse Universe

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



63.1123, 54.6711, 61.8730



66.2207, 54.5076, 61.7834



62.6495, 57.7293, 49.4370



16.7376, 16.5779, 18.3647



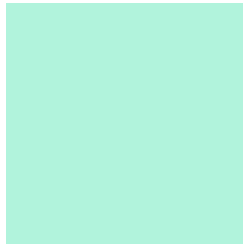
21.2367, 10.8381, 5.9550



1.9132, 0.9712, 0.7692

Previews

White Background



This preview shows how the XYZ color 63.1003, 78.6156, 79.5587 looks on a white background.

Color Contrast Check

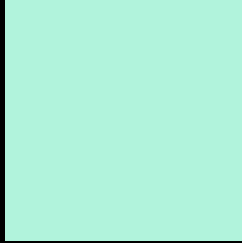
Large Text (above 18pt) WCAG AA × Fail

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 63.1003, 78.6156, 79.5587 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

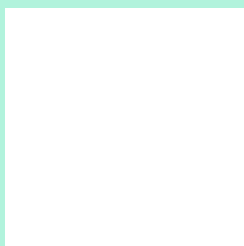
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1003, 78.6156, 79.5587

Background



This preview shows how black text looks on a background with the XYZ color 63.1003, 78.6156, 79.5587.

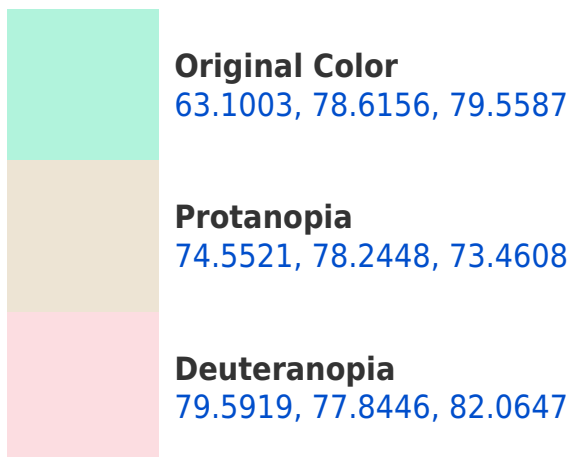


This preview shows how white text looks on a background with the XYZ color 63.1003, 78.6156,

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





Tritanopia

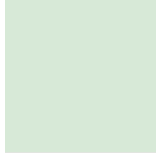
69.0732, 78.4797, 106.1153

Trichromacy



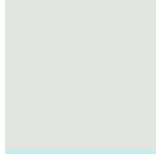
Original Color

63.1003, 78.6156, 79.5587



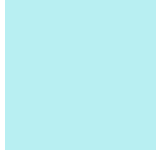
Protanomaly

69.4290, 77.6312, 75.6150



Deuteranomaly

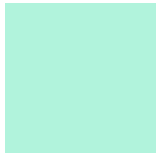
72.3899, 77.3739, 80.9313



Tritanomaly

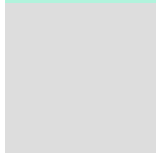
66.6607, 78.3342, 95.6110

Monochromacy



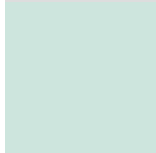
Original Color

63.1003, 78.6156, 79.5587



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.2473, 74.2382, 79.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1003, 78.6156, 79.5587 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(177, 243, 220)` looks like.

```
.text, #text, p{  
    color:rgb(177, 243, 220)  
}
```

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(177, 243, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 243, 220) }
```

Border

The CSS property to change the border of an element to XYZ 63.1003, 78.6156, 79.5587 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(177, 243, 220) }
```


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

```
.border{ border-color:rgb(177, 243, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 243, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 243, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 243, 220);  
box-shadow:4px 4px 4px 4px rgb(177, 243,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1003, 78.6156, 79.5587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 243, 220) }
```

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

```
.background{ background-color: rgb(177,  
243, 220) }
```

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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