

Converting Colors

XYZ(63.6778, 76.1817, 84.0214)

Have a look what the booklet for
XYZ(63.6778, 76.1817, 84.0214)
contains.

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Color

**XYZ(63.6778, 76.1817,
84.0214)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EDE3
RGB	183, 237, 227
RGB Percent	72%, 93%, 89%
CMY	0.2823, 0.0706, 0.1098
CMYK	0.23, 0.00, 0.04, 0.07
HSL	169°, 60%, 82%
HSV	169°, 23%, 93%
XYZ	63.6778, 76.1817, 84.0214
YIQ	219.7140, -28.9740, -14.5580

Conversions

Conversions Part 2

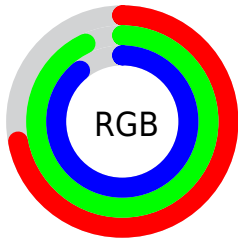
Format	Color
RYB	183, 213, 237
Decimal	12053987
CIELab	89.94, -19.15, -0.78
CIELCh	90, 19.161, 182.345
Yxy	76.1817, 0.2844, 0.3403
Android (android.graphics.Color)	4290244067 (0xFFB7EDE3)
YUV	219.7140, 3.5920, -32.1982
Hunter-Lab	87.2821, -22.5168, 4.0225

Details

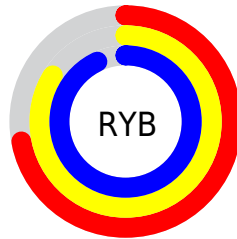
The XYZ color **63.6778, 76.1817, 84.0214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4869, 55.7239, 57.9705**, and the grayscale version is **67.8202, 71.3521, 77.7024**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.0235, 40.6934, 45.1438** is the 20% darker color. If you saturate the color by 10%, you get **57.9106, 73.2797, 80.6300**, and if you desaturate by 10%, it is **70.4140, 79.5854, 87.5421**.

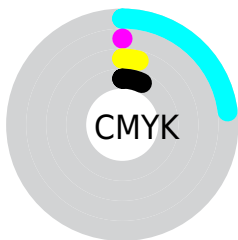
Distribution



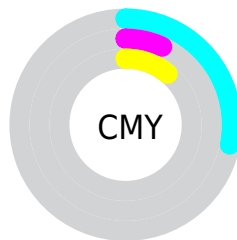
- Red (72%)
- Green (93%)
- Blue (89%)



- Red (72%)
- Yellow (84%)
- Blue (93%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (28%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6778, 76.1817, 84.0214 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 63.6778, 76.1817, 84.0214 by changing the saturation by 10% instead.


 63.6778, 76.1817,
84.0214

 63.6778, 76.1817,
84.0214

427.6459,
481.9695, 528.4442

 46.6505, 56.5815,
62.4876


 109.2231,
127.9837, 140.8671

 32.9662, 40.6693,
44.9885


138.4718,
160.9543, 177.0161

 22.2597, 28.0608,
31.1055


172.5250,
199.1506, 218.8739

 14.1655, 18.3715,
20.4200

211.7480,
242.9568, 266.8591

 8.3183, 11.2170,
12.5136

256.5063,
292.7574, 321.3902

 4.3528, 6.2130,
6.9677

307.1651,

 1.9036, 2.9750,

348.9368, 382.8857

3.3638

364.0899,
411.8793, 451.7642

■ 0.5789, 1.1187,
1.2833

■ 0.0000, 0.0000,
0.0480

■ 63.6778, 76.1817,
84.0214

■ 63.6778, 76.1817,
84.0214

■ 57.9106, 73.2797,
80.6300

■ 70.4140, 79.5854,
87.5421

■ 53.0582, 70.8456,
77.3598

■ 78.1570, 83.5044,
91.1895

■ 49.0711, 68.8558,
74.2096

■ 86.9504, 87.9631,
94.9679

■ 45.8924, 67.2809,
71.1761

■ 87.9402, 88.3969,
98.4635

■ 43.4582, 66.0882,
68.2558

■ 88.6170, 88.6677,
102.0275

■ 41.6948, 65.2395,
65.4444

■ 89.3098, 88.9448,
105.6757

■ 40.5132, 64.6890,
62.7373

■ 89.5755, 89.0511,
107.0752

■ 39.9227, 64.4260,
60.8439

Harmonies

Analogous

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



64.6313, 76.1817, 71.4131



63.6778, 76.1817, 84.0214



64.9776, 76.1817, 97.7132

Triad

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



63.6778, 76.1817, 84.0214



77.3952, 76.1817, 107.0149



76.7220, 76.1817, 61.9091

Complementary

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



63.6778, 76.1817, 84.0214



61.4869, 55.7239, 57.9705

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.



80.3852, 76.1817, 69.7522



63.6778, 76.1817, 84.0214



80.7856, 76.1817, 95.6646

Square

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



63.6778, 76.1817, 84.0214



72.7819, 76.1817, 111.8602



81.9027, 76.1817, 81.8856



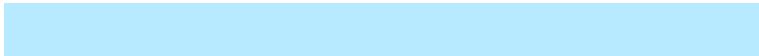
72.0362, 76.1817, 59.5051

Rectangle

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



63.6778, 76.1817, 84.0214



66.9816, 76.1817, 105.3792



81.9027, 76.1817, 81.8856



78.1207, 76.1817, 63.9513

Sweetspot

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



63.6800, 76.1848, 84.0231



88.2573, 96.5592, 105.8272



61.0307, 75.4334, 56.1447



18.7714, 20.6073, 22.5954



0.0000, 0.0000, 0.0000



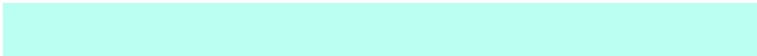
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6800, 76.1848, 84.0231



72.1103, 88.4035, 97.4618



60.6206, 67.7918, 90.0144



15.3910, 17.0712, 18.7419



21.8409, 35.1908, 33.4569



1.7460, 2.7757, 2.7904

Inverse Universe

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



61.4869, 55.7239, 57.9705



69.1281, 60.5601, 62.0198



63.9444, 62.3648, 53.4686



15.1794, 15.0996, 16.2302



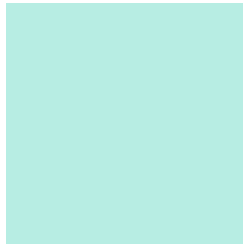
19.3499, 9.9426, 2.3778



1.5516, 0.7936, 0.3562

Previews

White Background



This preview shows how the XYZ color 63.6778, 76.1817, 84.0214 looks on a white background.

Color Contrast Check

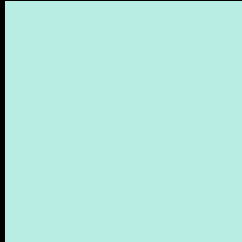
Large Text (above 18pt) WCAG AA × Fail

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 63.6778, 76.1817, 84.0214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

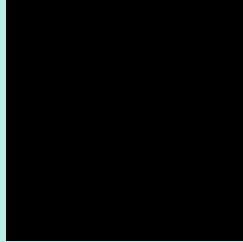
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

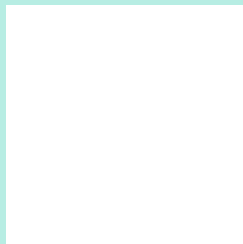
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6778, 76.1817, 84.0214

Background



This preview shows how black text looks on a background with the XYZ color 63.6778, 76.1817, 84.0214.

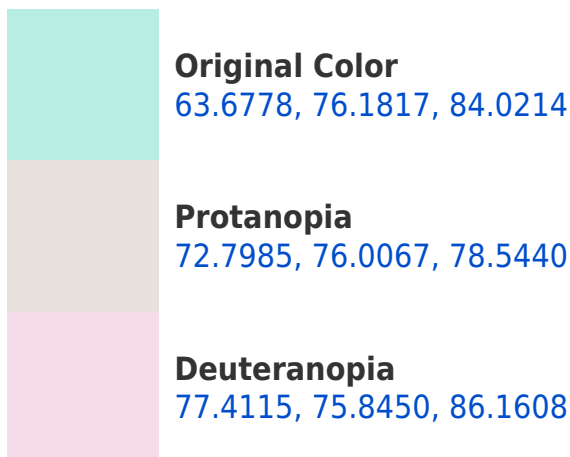


This preview shows how white text looks on a background with the XYZ color 63.6778, 76.1817,

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

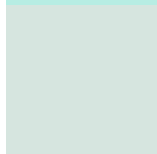
67.4486, 75.9975, 103.2095

Trichromacy



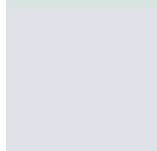
Original Color

63.6778, 76.1817, 84.0214



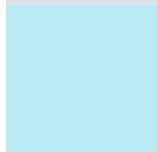
Protanomaly

69.0702, 75.6625, 80.7760



Deuteranomaly

71.6035, 75.6355, 85.6881



Tritanomaly

65.8502, 75.7558, 95.9457

Monochromacy



Original Color

63.6778, 76.1817, 84.0214



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.2478, 72.9858, 80.4081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6778, 76.1817, 84.0214 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(183, 237, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 237, 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(183, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 237, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.6778, 76.1817, 84.0214 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(183, 237, 227) }
```


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

```
.border{ border-color:rgb(183, 237, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 237, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 237, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 237, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 237,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6778, 76.1817, 84.0214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 237, 227) }
```

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

```
.background{ background-color: rgb(183,  
237, 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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