

Converting Colors

XYZ(63.5431, 76.4577, 81.5967)

Have a look what the booklet for
XYZ(63.5431, 76.4577, 81.5967)
contains.

XYZ(63.7962, 76.7212, 81.9673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7962, 76.7212,
81.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	B8EEEE
RGB	184, 238, 224
RGB Percent	72%, 93%, 88%
CMY	0.2784, 0.0666, 0.1216
CMYK	0.23, 0.00, 0.06, 0.07
HSL	164°, 61%, 83%
HSV	164°, 23%, 93%
XYZ	63.7962, 76.7212, 81.9673
YIQ	220.2580, -27.6900, -15.8020

Conversions

Conversions Part 2

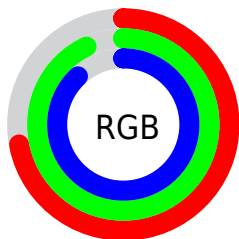
Format	Color
RYB	184, 215, 238
Decimal	12119776
CIELab	90.19, -19.95, 1.15
CIElCh	90, 19.983, 176.691
Yxy	76.7212, 0.2867, 0.3448
Android (android.graphics.Color)	4290309856 (0xFFB8EEE0)
YUV	220.2580, 1.8448, -31.7983
Hunter-Lab	87.5906, -23.2740, 5.8299

Details

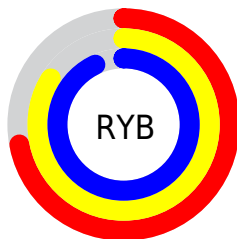
The XYZ color **63.7962, 76.7212, 81.9673** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5960, 56.5373, 61.0428**, and the grayscale version is **68.2107, 71.7630, 78.1499**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.0953, 41.0663, 43.7184** is the 20% darker color. If you saturate the color by 10%, you get **57.7462, 73.6993, 77.3951**, and if you desaturate by 10%, it is **70.8401, 80.2560, 86.7479**.

Distribution



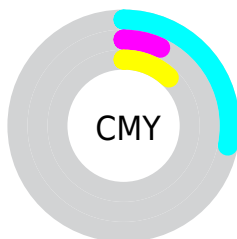
- Red (72%)
- Green (93%)
- Blue (88%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (28%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7962, 76.7212, 81.9673 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 63.7962, 76.7212, 81.9673 by changing the saturation by 10% instead.

63.7962, 76.7212,
81.9673

63.7962, 76.7212,
81.9673

428.0672,
483.8129, 521.4189

46.7467, 57.0241,
60.8029

109.3928,
128.7459, 137.9644

33.0426, 41.0246,
43.6366

138.6705,
161.8422, 173.6342

22.3184, 28.3383,
30.0498

172.7551,
200.1737, 214.9763

14.2090, 18.5808,
19.6240

212.0118,
244.1248, 262.4091

8.3488, 11.3678,
11.9407

256.8060,
294.0799, 316.3512

4.3726, 6.3148,
6.5813

307.5031,

1.9150, 3.0374,

350.4233, 377.2212

3.1272

364.4683,
413.5395, 445.4376

■ 0.5856, 1.1513,
1.1599

■ 0.0000, 0.0214,
0.0000

■ 63.7962, 76.7212,
81.9673

■ 63.7962, 76.7212,
81.9673

■ 57.7462, 73.6993,
77.3951

■ 70.8401, 80.2560,
86.7479

■ 52.6352, 71.1560,
73.0222

■ 78.9164, 84.3175,
91.7353

■ 48.4131, 69.0675,
68.8462

■ 87.9206, 88.8537,
96.9281

■ 45.0221, 67.4040,
64.8626

■ 88.8661, 89.2319,
101.9072

■ 42.3976, 66.1323,
61.0667

■ 89.8433, 89.6228,
107.0527

■ 40.4651, 65.2141,
57.4533

■ 89.8659, 89.6318,
107.1720

■ 39.1344, 64.6028,
54.0162

■ 38.4411, 64.2979,
51.6094

Harmonies

Analogous

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



65.2274, 76.7212, 69.3981



63.7962, 76.7212, 81.9673



64.7169, 76.7212, 96.4341

Triad

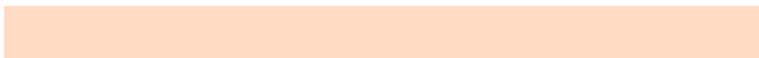
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7962, 76.7212, 81.9673



77.2957, 76.7212, 110.4340



78.2927, 76.7212, 62.6996

Complementary

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



63.7962, 76.7212, 81.9673



62.5960, 56.5373, 61.0428

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.



81.7911, 76.7212, 71.8431



63.7962, 76.7212, 81.9673



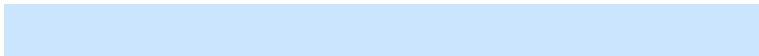
81.1974, 76.7212, 99.4751

Square

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



63.7962, 76.7212, 81.9673



72.3713, 76.7212, 113.9258



82.8773, 76.7212, 85.1253



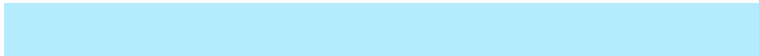
73.4739, 76.7212, 59.0974

Rectangle

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



63.7962, 76.7212, 81.9673



66.5644, 76.7212, 105.0616



82.8773, 76.7212, 85.1253



79.6703, 76.7212, 65.1724

Sweetspot

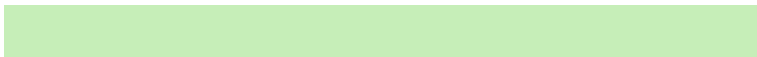
The Sweet Spot groups the original color and five complimentary colors.



63.7984, 76.7244, 81.9690



88.0488, 96.4758, 104.7292



62.6229, 76.6732, 56.8474



18.7230, 20.5879, 22.3406



0.0000, 0.0000, 0.0000



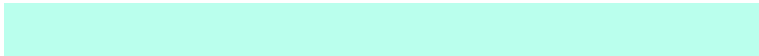
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7984, 76.7244, 81.9690



71.3537, 88.1009, 93.4779



62.2356, 70.4331, 91.2074



16.0621, 17.8549, 19.3501



21.5009, 35.8924, 29.0844



1.8290, 3.0020, 2.6318

Inverse Universe

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



62.5960, 56.5373, 61.0428



69.7300, 60.8008, 65.1891



63.7896, 61.3911, 53.8361



15.9410, 15.8261, 17.2456



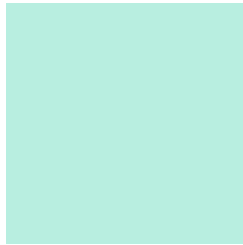
20.1969, 10.3512, 3.6875



1.7195, 0.8768, 0.5138

Previews

White Background



This preview shows how the XYZ color 63.7962, 76.7212, 81.9673 looks on a white background.

Color Contrast Check

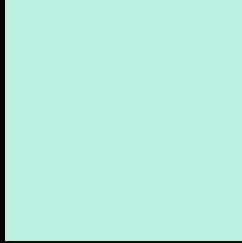
Large Text (above 18pt) WCAG AA × Fail

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 63.7962, 76.7212, 81.9673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

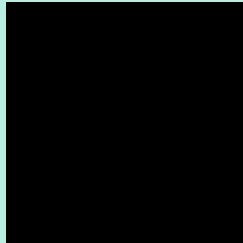
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

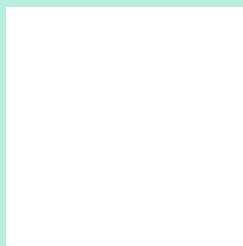
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7962, 76.7212, 81.9673

Background



This preview shows how black text looks on a background with the XYZ color 63.7962, 76.7212, 81.9673.



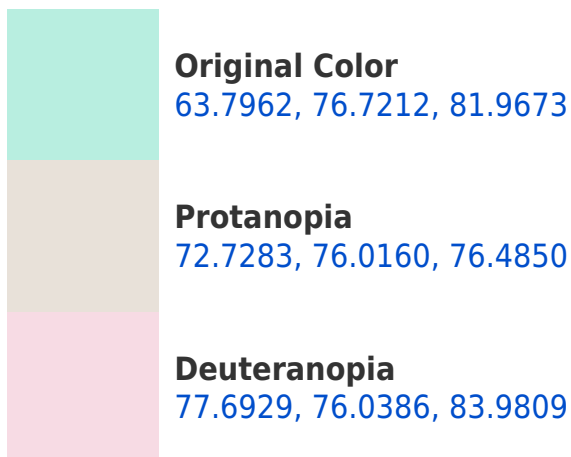
This preview shows how white text looks on a background with the XYZ color 63.7962, 76.7212, 81.9673.

81.9673.

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

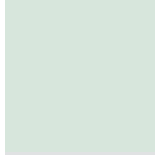
68.2287, 76.8211, 103.3274

Trichromacy



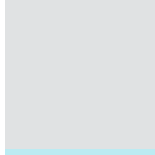
Original Color

63.7962, 76.7212, 81.9673



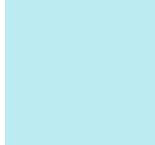
Protanomaly

69.2394, 76.2080, 78.7705



Deuteranomaly

71.8020, 75.7861, 83.5168



Tritanomaly

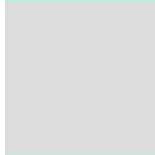
66.4744, 76.5188, 95.2704

Monochromacy



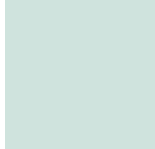
Original Color

63.7962, 76.7212, 81.9673



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.2524, 73.4240, 79.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7962, 76.7212, 81.9673 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(184, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 238, 224)  
}
```

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(184, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 238, 224) }
```

Border

The CSS property to change the border of an element to XYZ 63.7962, 76.7212, 81.9673 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(184, 238, 224) }
```


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

```
.border{ border-color:rgb(184, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 238,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7962, 76.7212, 81.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 238, 224) }
```

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

```
.background{ background-color: rgb(184,  
238, 224) }
```

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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