

Converting Colors

XYZ(63.9688, 76.8989, 77.8008)

Have a look what the booklet for
XYZ(63.9688, 76.8989, 77.8008)
contains.

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Color

**XYZ(63.9685, 76.9024,
77.8018)**

Conversions

Conversions Part 1

Format	Color
Hex	BCEEDA
RGB	188, 238, 218
RGB Percent	74%, 93%, 85%
CMY	0.2627, 0.0666, 0.1451
CMYK	0.21, 0.00, 0.08, 0.07
HSL	156°, 60%, 84%
HSV	156°, 21%, 93%
XYZ	63.9685, 76.9024, 77.8018
YIQ	220.7700, -23.3800, -16.8200

Conversions

Conversions Part 2

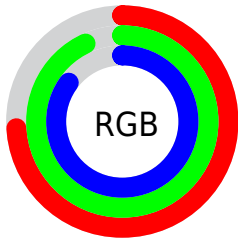
Format	Color
RYB	188, 219, 238
Decimal	12381914
CIELab	90.28, -19.92, 4.43
CIELCh	90, 20.403, 167.450
Yxy	76.9024, 0.2925, 0.3517
Android (android.graphics.Color)	4290571994 (0xFFBCEEDA)
YUV	220.7700, -1.3656, -28.7393
Hunter-Lab	87.6940, -23.2575, 8.7839

Details

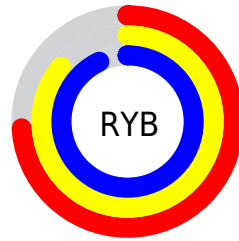
The XYZ color **63.9685, 76.9024, 77.8018** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6310, 58.6997, 67.6017**, and the grayscale version is **68.5887, 72.1607, 78.5830**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **33.1703, 41.1686, 40.8484** is the 20% darker color. If you saturate the color by 10%, you get **57.3719, 73.6437, 71.1758**, and if you desaturate by 10%, it is **71.6079, 80.6946, 84.8535**.

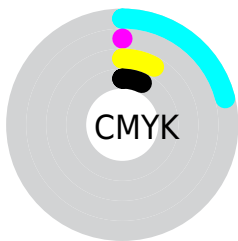
Distribution



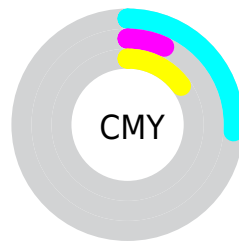
- Red (74%)
- Green (93%)
- Blue (85%)



- Red (74%)
- Yellow (86%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (26%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9685, 76.9024, 77.8018 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 63.9685, 76.9024, 77.8018 by changing the saturation by 10% instead.

 63.9685, 76.9024,
77.8018

 63.9685, 76.9024,
77.8018


428.6799,
484.4312, 507.0035

 46.8867, 57.1728,
57.3957

 109.6396,
129.0017, 132.0540

 33.1537, 41.1440,
40.9115


138.9596,
162.1402, 166.7372

 22.4040, 28.4316,
27.9308

173.0897,
200.5170, 207.0165

 14.2723, 18.6513,
18.0349

212.3954,
244.5167, 253.3104

 8.3933, 11.4186,
10.8054

257.2418,
294.5235, 306.0376

 4.4015, 6.3491,
5.8236

307.9945,

 1.9317, 3.0585,

350.9220, 365.6164

2.6711

365.0188,
414.0964, 432.4656

■ 0.5952, 1.1624,
0.9288

■ 0.0000, 0.0306,
0.0000

■ 63.9685, 76.9024,
77.8018

■ 63.9685, 76.9024,
77.8018

■ 57.3719, 73.6437,
71.1758

■ 71.6079, 80.6946,
84.8535

■ 51.7630, 70.8839,
64.9619

■ 80.3289, 85.0339,
92.3339

■ 47.0915, 68.5994,
59.1529

■ 88.5374, 89.1005,
100.1761

■ 43.2997, 66.7606,
53.7397

■ 89.8660, 89.6319,
107.1720

■ 40.3234, 65.3344,
48.7124

■ 38.0889, 64.2831,
44.0607

■ 36.5084, 63.5616,
39.7733

■ 35.5182, 63.1288,
36.2176

Harmonies

Analogous

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



66.1319, 76.9024, 66.2072



63.9685, 76.9024, 77.8018



64.1665, 76.9024, 92.4049

Triad

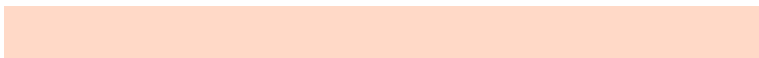
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9685, 76.9024, 77.8018



76.0616, 76.9024, 113.3524



79.8989, 76.9024, 64.7716

Complementary

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



63.9685, 76.9024, 77.8018



64.6310, 58.6997, 67.6017

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.



82.8122, 76.9024, 75.6226



63.9685, 76.9024, 77.8018



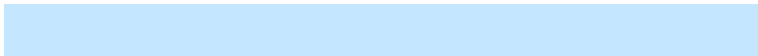
80.5272, 76.9024, 104.1085

Square

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



63.9685, 76.9024, 77.8018



70.9917, 76.9024, 114.1116



83.0473, 76.9024, 89.9596



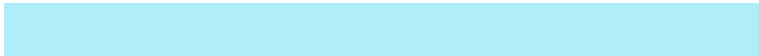
75.2362, 76.9024, 59.2908

Rectangle

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



63.9685, 76.9024, 77.8018



65.6107, 76.9024, 101.9198



83.0473, 76.9024, 89.9596



81.1244, 76.9024, 67.8507

Sweetspot

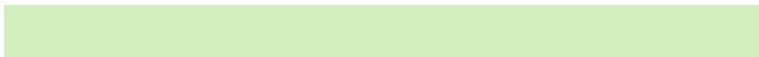
The Sweet Spot groups the original color and five complimentary colors.



63.9707, 76.9056, 77.8035



88.6735, 96.8248, 103.5394



65.9016, 78.3143, 59.2210



18.8373, 20.6536, 22.0392



0.0000, 0.0000, 0.0000



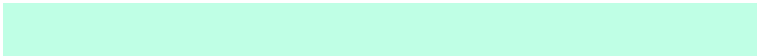
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9707, 76.9056, 77.8035



71.5212, 88.3138, 87.7701



65.5496, 75.6184, 92.0336



15.9641, 17.8157, 18.8338



19.8803, 35.2441, 20.5504



1.7028, 2.9516, 1.9676

Inverse Universe

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



64.6310, 58.6997, 67.6017



72.4176, 63.6276, 73.9416



63.2257, 59.5825, 55.7464



16.0348, 15.8636, 17.7393



20.8890, 10.6280, 7.3318



1.7856, 0.9033, 0.8619

Previews

White Background



This preview shows how the XYZ color 63.9685, 76.9024, 77.8018 looks on a white background.

Color Contrast Check

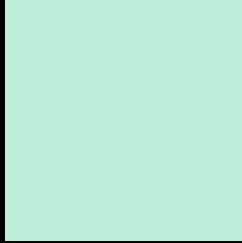
Large Text (above 18pt) WCAG AA × Fail

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 63.9685, 76.9024, 77.8018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

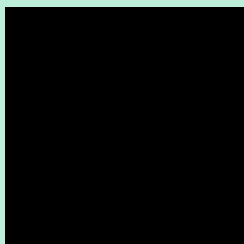
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

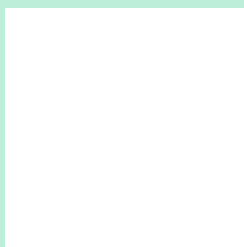
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9685, 76.9024, 77.8018

Background



This preview shows how black text looks on a background with the XYZ color 63.9685, 76.9024, 77.8018.

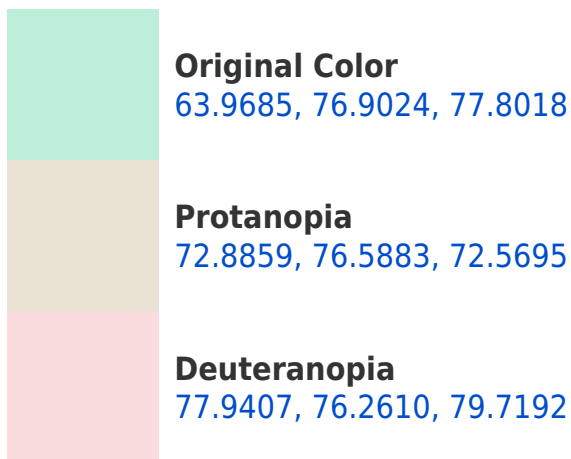


This preview shows how white text looks on a background with the XYZ color 63.9685, 76.9024,

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

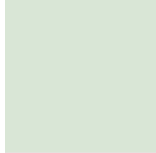
68.9577, 76.7754, 103.2801

Trichromacy



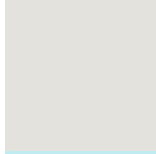
Original Color

63.9685, 76.9024, 77.8018



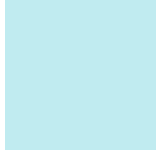
Protanomaly

69.0497, 76.2004, 74.6872



Deuteranomaly

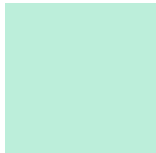
71.9261, 75.9441, 79.2744



Tritanomaly

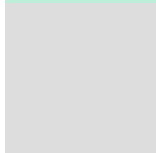
67.1747, 76.9144, 93.7436

Monochromacy



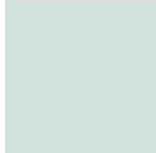
Original Color

63.9685, 76.9024, 77.8018



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.6818, 73.6608, 78.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9685, 76.9024, 77.8018 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(188, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(188, 238, 218)  
}
```

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(188, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 238, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.9685, 76.9024, 77.8018 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(188, 238, 218) }
```


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

```
.border{ border-color:rgb(188, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(188, 238,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9685, 76.9024, 77.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 238, 218) }
```

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

```
.background{ background-color: rgb(188,  
238, 218) }
```

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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