

# Converting Colors

XYZ(63.0455, 73.7920, 81.4255)

Have a look what the booklet for  
XYZ(63.0455, 73.7920, 81.4255)  
contains.

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# Color

**XYZ(63.0502, 73.7864,  
81.4401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCE8E0
RGB	188, 232, 224
RGB Percent	74%, 91%, 88%
CMY	0.2627, 0.0902, 0.1216
CMYK	0.19, 0.00, 0.03, 0.09
HSL	169°, 49%, 82%
HSV	169°, 19%, 91%
XYZ	63.0502, 73.7864, 81.4401
YIQ	217.9320, -23.6560, -11.8160

# Conversions

## Conversions Part 2

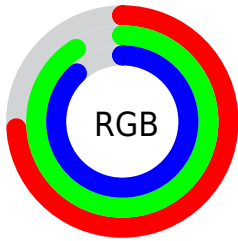
Format	Color
R <sub>Y</sub> B	188, 212, 232
Decimal	12380384
CIE Lab	88.82, -15.75, -0.82
CIE LCh	89, 15.771, 182.982
Yxy	73.7864, 0.2889, 0.3380
Android (android.graphics.Color)	4290570464 (0xFFBCE8E0)
YUV	217.9320, 2.9915, -26.2504
Hunter-Lab	85.8990, -19.3036, 3.9170

# Details

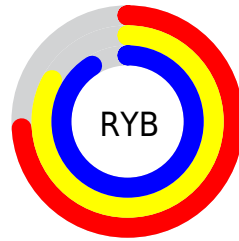
The XYZ color **63.0502, 73.7864, 81.4401** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2284, 57.1098, 60.0239**, and the grayscale version is **66.5871, 70.0548, 76.2897**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **32.5183, 38.9836, 43.3468** is the 20% darker color. If you saturate the color by 10%, you get **57.2232, 70.8497, 78.2182**, and if you desaturate by 10%, it is **69.8144, 77.2085, 84.7831**.

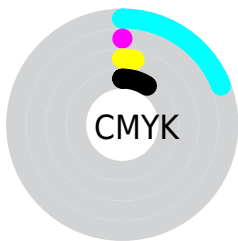
# Distribution



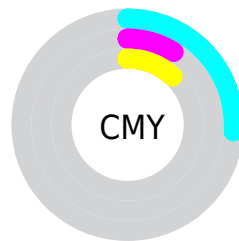
- Red (74%)
- Green (91%)
- Blue (88%)



- Red (74%)
- Yellow (83%)
- Blue (91%)



- Cyan (19%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (26%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0502, 73.7864, 81.4401 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 63.0502, 73.7864, 81.4401 by changing the saturation by 10% instead.



63.0502, 73.7864,  
81.4401

63.0502, 73.7864,  
81.4401

425.4084,  
473.7358, 519.6071

46.1406, 54.6192,  
60.3710

108.3233,  
124.5930, 137.2182

32.5619, 39.0969,  
43.2905

137.4176,  
157.0012, 172.7642

21.9487, 26.8352,  
29.7800

171.3041,  
194.5918, 213.9731

13.9356, 17.4495,  
19.4210

210.3483,  
237.7493, 261.2631

8.1573, 10.5555,  
11.7950

254.9155,  
286.8581, 315.0531

4.2484, 5.7688,  
6.4834

305.3710,

1.8436, 2.7050,

342.3025, 375.7613

3.0677

362.0802,  
404.4669, 443.8065

■ 0.5437, 0.9797,  
1.1293

■ 0.0000, 0.0000,  
0.0000

■ 63.0502, 73.7864,  
81.4401

■ 63.0502, 73.7864,  
81.4401

■ 57.2232, 70.8497,  
78.2182

■ 69.8144, 77.2085,  
84.7831

■ 52.2831, 68.3667,  
75.1100

■ 77.5504, 81.1279,  
88.2447

■ 48.1846, 66.3159,  
72.1141

■ 85.3345, 85.0705,  
91.7837

■ 44.8756, 64.6705,  
69.2278

■ 85.9572, 85.3196,  
95.0633

■ 42.2984, 63.4008,  
66.4478

■ 86.5946, 85.5746,  
98.4197

■ 40.3870, 62.4727,  
63.7703

■ 87.2467, 85.8354,  
101.8536

■ 39.0636, 61.8462,  
61.1912

■ 87.9136, 86.1022,  
105.3654

■ 38.2090, 61.4598,  
58.7044

■ 88.1479, 86.1959,  
106.5993

■ 38.1312, 61.4252,  
58.4518

# Harmonies

## Analogous

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



63.7904, 73.7864, 71.1599



63.0502, 73.7864, 81.4401



64.1498, 73.7864, 92.3435

# Triad

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



63.0502, 73.7864, 81.4401



74.2062, 73.7864, 99.3074



73.5212, 73.7864, 63.0220

# Complementary

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



63.0502, 73.7864, 81.4401



61.2284, 57.1098, 60.0239

# 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.



76.4745, 73.7864, 69.4261



63.0502, 73.7864, 81.4401



76.8800, 73.7864, 90.2793

# Square

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



63.0502, 73.7864, 81.4401



70.5145, 73.7864, 103.2293



77.7247, 73.7864, 79.2515



69.7504, 73.7864, 61.1134



# Rectangle

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



63.0502, 73.7864, 81.4401



65.8024, 73.7864, 98.3322



77.7247, 73.7864, 79.2515



74.6470, 73.7864, 64.6899

# Sweetspot

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



63.0523, 73.7895, 81.4418



89.1986, 97.0349, 106.3044



60.7183, 73.0919, 58.4862



18.9616, 20.7033, 22.6937



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

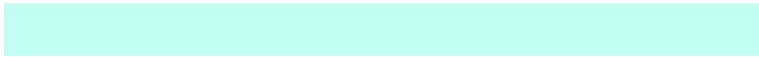


# Same Dimension

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



63.0523, 73.7895, 81.4418



74.9958, 89.8546, 99.2441



60.3955, 66.6976, 86.0382



14.6891, 16.2891, 17.8934



21.2111, 34.1165, 32.6755



1.5968, 2.5329, 2.5694



# Inverse Universe

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



61.2284, 57.1098, 60.0239



72.3236, 65.4038, 67.8548



63.4632, 62.9987, 56.3933



14.4835, 14.4106, 15.4805



18.7421, 9.6311, 2.2710

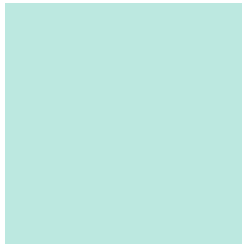


1.4161, 0.7241, 0.3315



# Previews

## White Background



This preview shows how the XYZ color 63.0502, 73.7864, 81.4401 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 63.0502, 73.7864, 81.4401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

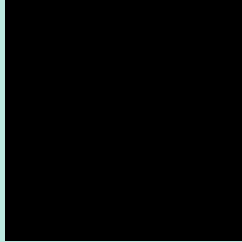
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

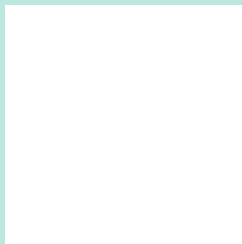
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.0502, 73.7864, 81.4401

## Background



This preview shows how black text looks on a background with the XYZ color 63.0502, 73.7864, 81.4401.



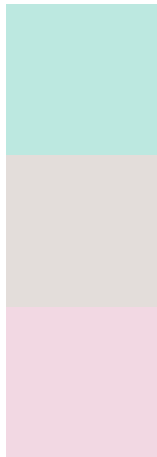
This preview shows how white text looks on a background with the XYZ color 63.0502, 73.7864,



# 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

63.0502, 73.7864, 81.4401

### Protanopia

70.1899, 73.1058, 76.7411

### Deuteranopia

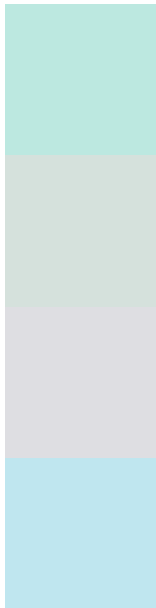
75.0389, 73.5350, 82.9117



## Tritanopia

66.5460, 73.9605, 98.7641

# Trichromacy



## Original Color

63.0502, 73.7864, 81.4401

## Protanomaly

67.2841, 73.1639, 78.2859

## Deuteranomaly

69.9729, 73.2631, 82.4047

## Tritanomaly

65.3627, 73.9020, 92.4809

# Monochromacy



## Original Color

63.0502, 73.7864, 81.4401

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.0381, 71.2081, 78.0268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0502, 73.7864, 81.4401 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, 232, 224)` looks like.

```
.text, #text, p{  
    color:rgb(188, 232, 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(188, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 232, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0502, 73.7864, 81.4401 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, 232, 224) }
```



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

```
.border{ border-color:rgb(188, 232, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(188, 232,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0502, 73.7864, 81.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 232, 224) }
```

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

```
.background{ background-color: rgb(188,  
232, 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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