

# Converting Colors

XYZ(63.3986, 74.3234, 88.2849)

Have a look what the booklet for  
XYZ(63.3986, 74.3234, 88.2849)  
contains.

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# Color

**XYZ(63.3753, 74.2283,  
88.0781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E9E9
RGB	183, 233, 233
RGB Percent	72%, 91%, 91%
CMY	0.2823, 0.0863, 0.0863
CMYK	0.21, 0.00, 0.00, 0.09
HSL	180°, 53%, 82%
HSV	180°, 21%, 91%
XYZ	63.3753, 74.2283, 88.0781
YIQ	218.0500, -29.8000, -10.6000

# Conversions

## Conversions Part 2

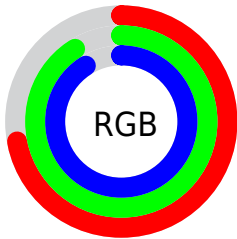
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 208, 233
Decimal	12052969
CIE <sub>Lab</sub>	89.03, -15.90, -5.26
CIE <sub>LCh</sub>	89, 16.751, 198.318
Yxy	74.2283, 0.2808, 0.3289
Android (android.graphics.Color)	4290243049 (0xFFB7E9E9)
YUV	218.0500, 7.3703, -30.7389
Hunter-Lab	86.1558, -19.4701, -0.3037

# Details

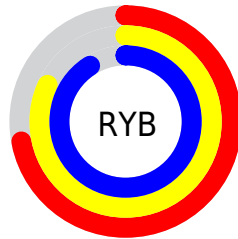
The XYZ color **63.3753, 74.2283, 88.0781** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0876, 54.6115, 52.2295**, and the grayscale version is **66.6423, 70.1128, 76.3529**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **32.7112, 39.2857, 47.4538** is the 20% darker color. If you saturate the color by 10%, you get **58.2859, 71.6066, 87.8405**, and if you desaturate by 10%, it is **69.3864, 77.3290, 88.3620**.

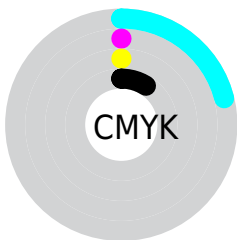
# Distribution



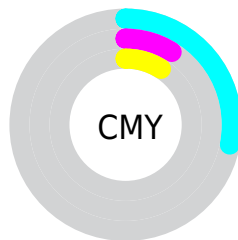
- Red (72%)
- Green (91%)
- Blue (91%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (28%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3753, 74.2283, 88.0781 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 63.3753, 74.2283, 88.0781 by changing the saturation by 10% instead.




 63.3753, 74.2283,  
88.0781

 63.3753, 74.2283,  
88.0781


426.5683,  
475.2609, 542.1669

 46.4047, 54.9809,  
65.8230


 108.7895,  
125.2194, 146.5780

 32.7712, 39.3864,  
47.6732


137.9639,  
157.7319, 183.6599

 22.1097, 27.0605,  
33.2100


171.9368,  
195.4349, 226.5212

 14.0546, 17.6187,  
22.0149

211.0738,  
238.7127, 275.5803

 8.2406, 10.6766,  
13.6695

255.7400,  
287.9499, 331.2560

 4.3024, 5.8498,  
7.7550

306.3010,

 1.8746, 2.7540,

343.5307, 393.9666

3.8531

363.1219,  
405.8396, 464.1307

■ 0.5620, 1.0047,  
1.5451

■ 0.0000, 0.0000,  
0.2512

■ 63.3753, 74.2283,  
88.0781

■ 63.3753, 74.2283,  
88.0781

■ 58.2859, 71.6066,  
87.8405

■ 69.3864, 77.3290,  
88.3620

■ 54.0667, 69.4315,  
87.6420

■ 76.3548, 80.9214,  
88.6892

■ 50.6709, 67.6809,  
87.4820

■ 84.3220, 85.0286,  
89.0631

■ 48.0447, 66.3271,  
87.3580

■ 85.0893, 85.4241,  
89.1000

46.1281, 65.3391,  
87.2673

85.0895, 85.4242,  
89.1011

44.8519, 64.6812,  
87.2065

85.0897, 85.4242,  
89.1022

44.1335, 64.3109,  
87.1719

85.0899, 85.4243,  
89.1032

43.8469, 64.1631,  
87.1576

85.0901, 85.4244,  
89.1043

85.0903, 85.4245,  
89.1053

# Harmonies

## Analogous

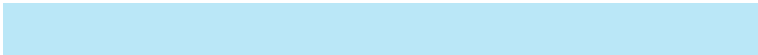
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.1571, 74.2283, 76.3653



63.3753, 74.2283, 88.0781



65.4710, 74.2283, 98.7567

# Triad

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



63.3753, 74.2283, 88.0781



76.5638, 74.2283, 96.6731



72.1494, 74.2283, 60.7875

# Complementary

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



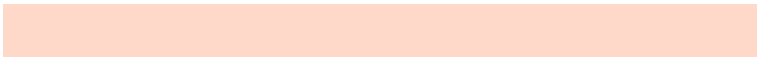
63.3753, 74.2283, 88.0781



59.0876, 54.6115, 52.2295

# 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.



75.8888, 74.2283, 65.2018



63.3753, 74.2283, 88.0781



78.5022, 74.2283, 85.4488

# Square

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



63.3753, 74.2283, 88.0781



73.0419, 74.2283, 104.0385



78.2505, 74.2283, 73.9758



68.1189, 74.2283, 61.3450

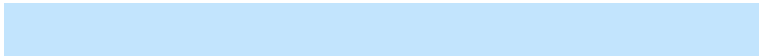


# Rectangle

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



63.3753, 74.2283, 88.0781



67.6978, 74.2283, 103.5066



78.2505, 74.2283, 73.9758



73.4848, 74.2283, 61.7204

# Sweetspot

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



63.3775, 74.2313, 88.0798



89.6433, 97.2127, 108.6462



57.4156, 71.8695, 55.6471



19.0671, 20.7455, 23.2491



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.



63.3775, 74.2313, 88.0798



74.7213, 89.5202, 107.9453



56.9981, 61.4720, 85.9554



15.5177, 17.1219, 19.4090



24.8785, 36.4059, 49.4529



1.9536, 2.8587, 3.8833



# Inverse Universe

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



59.0876, 54.6115, 52.2295



68.5263, 61.1875, 56.1745



64.5074, 65.4516, 54.0345



15.0656, 15.0541, 15.6306



19.0678, 9.8298, 0.8927

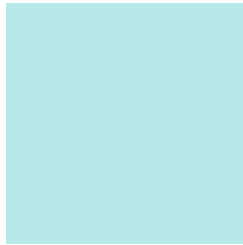


1.4973, 0.7719, 0.0702



# Previews

## White Background



This preview shows how the XYZ color 63.3753, 74.2283, 88.0781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

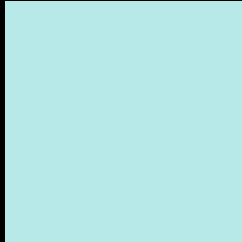
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3753, 74.2283, 88.0781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

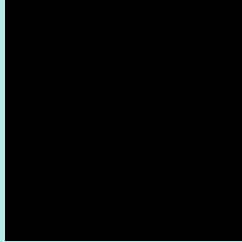
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.3753, 74.2283, 88.0781**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.3753, 74.2283, 88.0781.



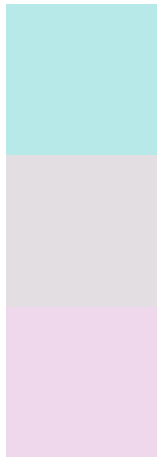
This preview shows how white text looks on a background with the XYZ color 63.3753, 74.2283,



# 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

63.3753, 74.2283, 88.0781

### Protanopia

71.2128, 73.9023, 82.4628

### Deuteranopia

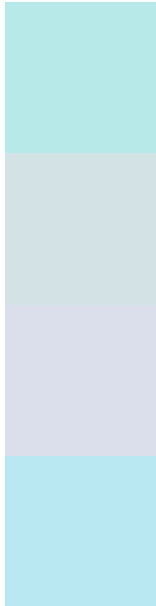
75.2928, 73.5186, 89.5790



## Tritanopia

65.9245, 74.4305, 100.5145

# Trichromacy



## Original Color

63.3753, 74.2283, 88.0781

## Protanomaly

67.9176, 73.7515, 84.7846

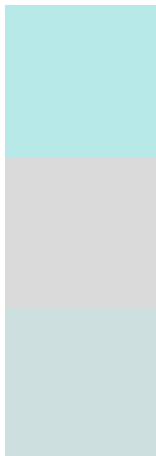
## Deuteranomaly

70.3301, 73.3008, 89.0389

## Tritanomaly

65.0419, 74.4986, 95.7456

# Monochromacy



## Original Color

63.3753, 74.2283, 88.0781

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

64.8838, 71.0822, 80.1125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3753, 74.2283, 88.0781 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, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(183, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 233, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3753, 74.2283, 88.0781 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, 233, 233) }
```



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

```
.border{ border-color:rgb(183, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(183, 233,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3753, 74.2283, 88.0781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 233, 233) }
```

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

```
.background{ background-color: rgb(183,  
233, 233) }
```

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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